



State of Ohio Environmental Protection Agency

RECEIPT ADDRESS:

State Government Center
W. Town St., Suite 700
Columbus, Ohio 43215

TELE: (614) 644-3020 FAX: (614) 644-3184
www.epa.state.oh.us

MAILING ADDRESS:

P.O. Box 1049
Columbus, OH 43216-1049

CERTIFIED MAIL

June 18, 2008

Re: **Vickery Environmental, Inc.**
EPA ID No: OHD 020 273 819
Ohio ID No: 03-72-0191
Modified Hazardous Waste Permit

Mr. Stephen C. Lonneman
Vickery Environmental, Inc.
3956 State Route 412
Vickery, Ohio 43464

US EPA RECORDS CENTER REGION 5



1006396

Dear Mr. Lonneman:

On February 19, 2008, Ohio EPA received Vickery Environmental, Inc.'s (Vickery) request to: 1) reduce frequency of PCB testing from off-site generators; and, 2) eliminate annual expiration of waste profiles. Vickery will make administrative changes to reflect these modifications. For this modification, Vickery submitted two (2) Class 2 modification applications¹. The Agency received one written comment concerning the Class 2 modifications and this comment is addressed in the enclosed letter to Mr. William Warner. I have enclosed the final modified Ohio hazardous waste facility installation and operation permit (Permit) that was issued by the director today. Please note that the modified Permit remains in effect until it is renewed, withdrawn, suspended or revoked.

You have the right to appeal this Permit decision to the Environmental Review Appeals Commission (ERAC) no later than 30 days after the public notice (See Ohio Revised Code § 3745.04). The appeal must be accompanied by a filing fee of \$70.00 which the Commission, at its discretion, may reduce if by affidavit you demonstrate that payment of the full amount of the fee would cause extreme hardship. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General's Office, Environmental Enforcement Section. You may file your appeal with ERAC at the following address:

Environmental Review Appeals Commission
309 South Fourth Street, Room 222
Columbus, Ohio 43215

¹Ohio EPA assigned tracking #s 080219-2-1 and 080219-2-2 to this modification application.

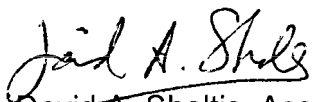
Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korleski, Director

Mr. Stephen Lonneman
Vickery Environmental, Inc.
June 18, 2008
Page 2

If you file an appeal, you must put it in writing. Your appeal must explain why you are appealing the action and the grounds you are using for your appeal. You must send a copy of the appeal to the director of the Ohio Environmental Protection Agency no later than three (3) days after you file it with ERAC.

If you have any questions, please contact Mary Ann Miller of Ohio EPA's Northwest District Office at (419) 352-8461.

Sincerely,



David A. Sholtis, Assistant Chief
Division of Hazardous Waste Management

cc: Ed Lim, Manager, ERAS, DHWM, CO
Jeremy Carroll/Cole Miller, ERAS, DHWM
Dale Meyer, U.S. EPA, Region V
John Pasquarette, DHWM, NWDO
Gary Deutschman, DHWM, NWDO
Colleen Weaver, DHWM, NWDO
Mary Ann Miller, DHWM, NWDO
Carol Hester, Ohio EPA, PIC
file

PUBLIC NOTICE

Sandusky County

OHIO EPA ISSUES FINAL MODIFIED HAZARDOUS WASTE PERMIT

On June 18, 2008, Ohio EPA issued two (2) final modifications to the Hazardous Waste Facility Installation and Operation Permit (Permit) for Vickery Environmental, Inc. for its facility at 3956 State Route 412, Vickery, Ohio 43464. The EPA Identification Number for this facility is OHD020273819.

Why is Vickery Environmental, Inc. modifying its Permit?

Vickery Environmental, Inc. (Vickery) is permitted to operate hazardous waste container and tank units and other related hazardous waste management units at its facility. Vickery wants to: 1) reduce frequency of PCB testing from off-site generators; and, 2) eliminate annual expiration of waste profiles. Vickery will make administrative changes to reflect the above modifications. To issue this final modified Permit, Ohio EPA determined that the modification application is complete and meets appropriate standards.

Can I appeal this final modified Permit?

Yes, if you are an officer of an agency of the state or of a political subdivision, acting in a representative capacity, or any person who would be aggrieved or adversely affected by this modified Permit, you have the right to appeal this Permit decision to the Environmental Review Appeals Commission (ERAC).

If I decide to appeal this final modified Permit, how and when must I make the appeal?

If you file an appeal, you must put it in writing no later than July 21, 2008. Your appeal must explain why you are appealing the action and the grounds you are using for your appeal. The appeal must be accompanied by a filing fee of \$70.00 which the Commission, in its discretion, may reduce if by affidavit you demonstrate that payment of the full amount of the fee would cause extreme hardship. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General's Office, Environmental Enforcement Section. You must file your appeal, according to Ohio Revised Code § 3745.04 with ERAC at the following address: **Environmental Review Appeals Commission**, 309 South Fourth Street, Room 222, Columbus, Ohio 43215. You must send a copy of the appeal to the director of Ohio EPA at the following address no later than three (3) days after you file it with ERAC: **Chris Korleski, Director of Ohio EPA**, P.O. Box 1049, Columbus, Ohio 43216-1049.

JUN 18 2008

**OHIO ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF HAZARDOUS WASTE MANAGEMENT**

**SUMMARY OF MODIFICATIONS TO HAZARDOUS WASTE FACILITY
INSTALLATION AND OPERATION PERMIT**

Vickery Environmental, Inc.

U.S. EPA ID #: OHD 020 273 819

Ohio ID #: 03-72-0191

Modifications of the Hazardous Waste Facility Installation and Operation Permit will authorize Vickery Environmental, Inc. to make the following changes:

Class 2 Modifications:

- 1) Reduce frequency of PCB testing from off-site generators,
- 2) eliminate annual expiration of waste profiles,
- 3) administrative changes to reflect above modifications.

MC/jms

OPIC E.P.A.

OHIO ENVIRONMENTAL PROTECTION AGENCY

JUN 18 2008

**MODIFIED OHIO HAZARDOUS WASTE FACILITY
INSTALLATION AND OPERATION PERMIT**

Date of Issuance: June 18, 2008
Effective Date: June 18, 2008

U.S. EPA ID No.: OHD 020 273 819
Ohio Permit No.: 03-72-0191

Name of Permittee: Vickery Environmental, Inc.

Mailing Address: 3956 State Route 412
Vickery, Ohio 43464

Facility Location: 3956 State Route 412
Vickery, Ohio 43464

Person to Contact: Stephen Lonneman

I certify this to be a true and accurate copy of the
official documents as filed in the records of the Ohio
Environmental Protection Agency.

By: Jimmy Jackson Date: 6-18-08

This Modified Ohio Hazardous Waste Facility Installation and Operation Permit is issued pursuant and subject to Section 3734.05(I) of the Ohio Revised Code and Rule 3745-50-51(D) of the Ohio Administrative Code.

The Ohio Hazardous Waste Facility Installation and Operation Permit with the above-referenced permit number as issued by the Ohio Environmental Protection Agency and journalized on August 17, 2001, is hereby incorporated by reference in its entirety, except as it may be modified herein.

This modification of the permit shall remain in effect until such time as the Ohio Hazardous Waste Facility Installation and Operation Permit is renewed, modified, withdrawn, suspended or revoked.

The Permittee shall comply with all requirements of the modified Part B permit application as amended or supplemented on February 19, 2008 and May 7, 2008. The information contained in the modified Part B permit application is incorporated herein by reference. Specifically, all written statements regarding the specifications, locations or capabilities of the processes, equipment, containment devices, safety devices or programs or other matters made by the applicant in the permit modification application are hereby incorporated as express, binding terms and conditions of this modified permit.

The modified Terms and Conditions of this permit are attached hereto and are incorporated herein by reference. The modified Terms and Conditions supersede and replace the corresponding pages found in the August 17, 2001 renewal permit.

Chris Korleski
Chris Korleski
Director

JUN 18 2008

- (vi) Documentation supporting the generator's knowledge of the waste, analytical data, or a combination of the two which adequately characterizes the waste such that it may be treated, stored, or disposed of in accordance with this permit, Chapters 3745-54 to 57, 3745-218 and 3745-270 of the Ohio Administrative Code;
 - (vii) RCRA hazardous waste description and ~~US EPA waste codes~~;
 - (viii) Specific handling instructions needed to manage the waste in accordance with the permittee's permit.
 - (ix) Date and signature of the generator certifying that the information is correct.
- (b) The Permittee shall not accept a waste stream if determined that:
- (i) The waste is not among those which the Permittee is authorized to accept by this permit;
 - (ii) Acceptance of the waste is contrary to specific regulation promulgated by Ohio EPA;
 - (iii) Acceptance of the waste would cause harm to the environment or to operations of the facility;
 - (iv) The waste contains Toxic Substances Control Act (TSCA) regulated levels of PCBs;
 - (v) Permit Conditions in B.3.1(a) are not met.
 - ~~(vi) The waste contains U.S. EPA waste codes that are not listed in this permit.~~

B.3.2 Waste Profile Expiration

- ~~(a) All Waste Profiles shall expire on the last day of the thirteenth month from the date of generator's signature Permittee approval. The Permittee shall obtain the generator's certification as described in Permit Condition B.3.1(a)(ix) each time the waste profile is reapproved.~~

JUN 18 2008

B.3.3 Suspension of Permittee Approval

If Ohio EPA determines that the requirements set forth in Permit Condition B.3.1 ~~or B.3.2~~ are is not met, Ohio EPA may suspend the permittee's acceptance of the waste stream.

B.4 Acceptance of P Coded Waste Streams
ORC 3734.141

The Permittee must receive prior approval from Ohio EPA, Northwest District Office before accepting any P-coded waste stream, in accordance with ORC 3734.141. These waste streams shall only be streams that follow the derived from or carry through provisions or that the Permittee can treat to render them innocuous prior to deep well injection. Review of a waste stream by Ohio EPA as part of the Waste Product Review satisfies all notification requirements of ORC 3734.141.

B.5 Security
OAC Rule 3745-54-14

The Permittee shall comply with the security provisions of OAC Rule 3745-54-14 (B)(2) and (C) and Section F of the Part B permit application.

B.6. General Inspection Requirements
OAC Rules 3745-54-15 and 3745-54-73

The Permittee shall follow the inspection schedule set out in Section F and Appendix 2 of the approved Part B permit application. The Permittee shall remedy any deterioration or malfunction discovered by an inspection, as required by OAC Rule 3745-54-15(C). Records of inspection shall be kept for a minimum of three years from the date of inspection.

B.7. Personnel Training
OAC Rule 3745-54-16

The Permittee shall conduct personnel training, as required by OAC Rule 3745-54-16. This training program shall contain at least the elements set forth in the Section H and Appendix 4 of the approved Part B permit application. The Permittee shall maintain training documents and records as required by OAC Rule 3745-54-16(D) and (E).

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4/15/992/15/08

- PCB Screening and Analysis are used to ensure the facility does not receive greater than 25ppm PCBs and/or TSCA regulated PCB waste materials. The following steps are utilized to achieve this goal:

-- The generator submits to Vickery either the concentration or the absence of ~~detection of~~ PCBs ~~for in~~ the waste stream. If no PCB information is given, Vickery will obtain PCB ~~data~~ information.

~~Vickery maintains a list comprised of streams which are believed to have no potential for PCB contamination. Except for waste streams qualified for the list, 100% of the shipments are screened for PCBs.~~

~~Reduced PCB screening frequency is conducted as follows: The fingerprint analysis of the first 10 shipments includes PCB screening. At least 10% (1 in 10 loads) of the subsequent shipments of those waste streams on the list includes PCB screening. If any receipt screen indicates the presence of PCBs in excess of 10 ppm, the stream is deleted from the list.~~

~~Any waste from the following sources is not eligible for the list:~~

- ~~1. Waste Brokers #~~
- ~~2. Electrical Utility Companies~~
- ~~3. Solvent Recovery, Reuse or Recycling Units~~
- ~~4. Oil Recovery, Reuse or Recycling Units~~
- ~~5. Natural Gas Pipeline Transmission Companies~~
- ~~6. Oil Maintenance Centers~~

OHIO EPA DHWM

JUN 18 2008

- ~~7. Pond Closures~~
- ~~8. Remedial Action Superfund Sites*~~
- ~~9. RCRA Corrective Action Projects*~~
- ~~10. Timber/Lumber Treating Facilities~~
- ~~11. Hydraulic Equipment~~
- ~~12. Remedial Action Projects*~~

~~* Unless demonstrated non-TSCA~~

~~# Brokered Waste is a waste that is managed by a third party and the original generator is not identified on the manifest as the generator.~~

~~Before each load is considered for acceptance without PCB analysis, Vickery obtains information from the transporter regarding the contents of the last load contained in the tanker prior to the load being received at the Vickery Facility. If the last load was from a generator who would not likely qualify to be on the list, and testing was not performed to confirm the absence of PCBs in the last load, a PCB screen is run on the current load prior to acceptance. If no information can be obtained on the last load, a PCB screen is run on the current load prior to acceptance. NOTE: If the truck was washed/cleaned before picking up the current load, the current load may be considered for acceptance without PCB screening.~~

~~For railcar shipments, the railcar is sampled and analyzed as required by Section 5.1. A PCB screen is performed on the railcar sample, as required by the logic above. If approved, each tanker load would not require PCB screening as long as Vickery obtains information from the~~

4/15/992/15/08

JUN 18 2008

~~transporter regarding the contents of the last load contained in the tanker prior to the load being received at the Vickery Facility, as described above.~~

- PCB analysis is not required if the waste stream is from an original, single source generator and the data submitted from this generator confirms that the waste stream does not contain greater than 25 ppm PCB's and is not TSCA regulate PCB waste material.

- Any waste shipments from the following sources will be analyzed for PCB's unless the generator has demonstrated that the waste stream does not contain greater than 25 ppm PCBs and is not a TSCA regulated PCB waste material:

1. Pond Closures
2. Remedial Action Superfund Sites
3. RCRA Corrective Action Projects
4. Remedial Action Projects
5. Landfill Leachate

- Each shipment of waste from the following sources will be analyzed for PCB's unless the generator has demonstrated to Vickery, that they have a PCB screening program that will prevent them from sending to Vickery, waste containing greater than 25 ppm PCB's and waste containing TSCA regulated PCB waste material. In the event the generator has demonstrated to Vickery an acceptable screening program, the waste stream will be analyzed for PCBs at a frequency of 10%:

1. Oil Recovery, Reuse or Recycling Units
2. Natural Gas Pipeline Transmission Companies
3. Oil Maintenance Centers

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4. Waste Brokers#
5. Solvent Recovery, Reuse or Recycling Units
6. Timber/Lumber Treating Facilities

Brokered Waste (waste from Waste Brokers) is a waste that is managed by a third party and the original generator of the waste is not identified on the manifest as the generator. Businesses that receive others wastes into storage and who subsequently ship the wastes to Vickery or receive others wastes for treatment but do not significantly change the aqueous characteristics of the wastewater. Examples of "Waste Brokers" are 1) Facilities that consolidate drummed waste into bulk loads. 2) Solvent recyclers who separate water from solvent and ship the water phase. 3) A TSDR that receives acid or basic wastes that are subsequently shipped to Vickery. Examples of waste streams that are not from "Waste Brokers" are: 1) TSDR Incineration scrubber water. 2) Recyclable Pickle Liquor.



State of Ohio Environmental Protection Agency

LETTER ADDRESS:

Lazarus Government Center
50 W. Town St., Suite 700
Columbus, Ohio 43215

TELE: (614) 644-3020 FAX: (614) 644-3184
www.epa.state.oh.us

MAILING ADDRESS:

P.O. Box 1049
Columbus, OH 43216-1049

June 13, 2008

William Warner
6191 C.R. 247
Vickery, OH 43464

Dear Mr. Warner,

Thank you for your letter dated March 28 regarding the Class 2 permit modification for Vickery Environment, Inc (VEI). I'm responding on behalf of Dave Sholtis and the Division of Hazardous Waste Management.

In your letter, you expressed your concern that the proposed modification would allow VEI to accept additional quantities of poly-chlorinated biphenyls (PCBs) waste. The modification proposed to change the procedures for monitoring and sampling activities by VEI. In particular, VEI proposed to eliminate a PCB screening step prior to acceptance from certain waste sources when adequate generator data is available.

As proposed, the screening step for six waste sources was determined to no longer be necessary to assure protection of human health and the environment. The PCB screening step was determined to be redundant because some generators have an acceptable PCB screening program. Waste sources from oil, gas, solvents, and timber treating facilities will continue to be randomly screened for PCBs. Please see the revised permit application pages that detail which waste streams are impacted by this modification. The modification does not impact the existing prohibition to receive TSCA regulated levels of PCBs as noted in Permit Condition B.3.1(b)(iv):

"The Permittee shall not accept a waste stream if determined that the waste contains Toxic Substances Control Act (TSCA) regulated levels of PCBs."

Ohio EPA has reviewed the modification pursuant to Ohio Administrative Code (OAC) Rule 3745-50-51 (D)(2) and found that the modification complies with the requirements of that rule. Therefore, the Agency will approve the modification.

Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korleski, Director

If you have any additional questions or comments, please feel free to contact me via e-mail at darla.peelle@epa.state.oh.us or by calling (614) 644-2160. Again, thank you for your comments and for participating in Ohio EPA's permitting process.

Sincerely,

A handwritten signature in cursive script that reads "Darla Peelle".

Darla L. Peelle

cc: Dave Sholtis
Jeremy Carroll
Cole Miller



State of Ohio Environmental Protection Agency

REET ADDRESS:

Lazarus Government Center
122 S. Front Street
Columbus, Ohio 43215

TELE: (614) 644-3020 FAX: (614) 644-3184
www.epa.state.oh.us

MAILING ADDRESS:

P.O. Box 1049
Columbus, OH 43216-1049

CERTIFIED MAIL

October 25, 2006

Re: **Vickery Environmental, Inc.**
EPA ID No: OHD 020 273 819
Ohio ID No: 03-72-0191
Modified Hazardous Waste Permit

Mr. Stephen C. Lonneman
Vickery Environmental, Inc.
3956 State Route 412
Vickery, Ohio 43464

Dear Mr. Lonneman:

On August 14, 2006, Ohio EPA received Vickery Environmental, Inc.'s request to: 1) modify its tank system without increasing the capacity of the unit; 2) update drawings for the piping system as well as the performance curves for pumps associated with the transfer system; and, 3) a Temporary Authorization was issued to begin the earthwork, concrete and reinforcement work for the upgrade to a double-walled piping system before the end of the construction season. For this modification, Vickery Environmental, Inc. submitted a Class 2 modification application¹. The Agency did not receive written comments concerning the Class 2 modification application. I have enclosed the final modified Ohio hazardous waste facility installation and operation permit (Permit) that was issued by the director today. Please note that the modified Permit remains in effect until it is renewed, withdrawn, suspended or revoked.

You have the right to appeal this Permit decision to the Environmental Review Appeals Commission (ERAC) no later than 30 days after the public notice (See Ohio Revised Code § 3745.04). The appeal must be accompanied by a filing fee of \$70.00 which the Commission, at its discretion, may reduce if by affidavit you demonstrate that payment of the full amount of the fee would cause extreme hardship. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General's Office, Environmental Enforcement Section. You may file your appeal with ERAC at the following address:

Environmental Review Appeals Commission
309 South Fourth Street, Room 222
Columbus, Ohio 43215.

¹Ohio EPA assigned tracking #s 060814-2-1 to this modification application.

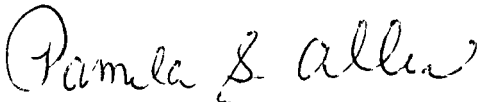
Bob Taft, Governor
Bruce Johnson, Lieutenant Governor
Joseph P. Koncelik, Director

Mr. Stephen Lonneman
Vickery Environmental, Inc.
October 25, 2006
Page 2

If you file an appeal, you must put it in writing. Your appeal must explain why you are appealing the action and the grounds you are using for your appeal. You must send a copy of the appeal to the director of the Ohio Environmental Protection Agency no later than three (3) days after you file it with ERAC.

If you have any questions, please contact Jason Romp of Ohio EPA's Northwest District Office at (419) 352-8461.

Sincerely,



Pamela S. Allen, Manager
Regulatory and Information Services
Division of Hazardous Waste Management

cc: Jeremy Carroll, ERAS, DHWM
Harriet Croke, U.S. EPA, Region V
John Pasquarette, DHWM, NWDO
Michael Terpinski, DHWM, NWDO
Gary Deutschman, DHWM, NWDO
Carol Hester, Ohio EPA, PIC
file

PUBLIC NOTICE

Sandusky County

OHIO EPA ISSUES FINAL MODIFIED HAZARDOUS WASTE PERMIT

On October 25, 2006, Ohio EPA issued a final modified Hazardous Waste Facility Installation and Operation Permit (Permit) to Vickery Environmental, Inc. for its facility at 3956 State Route 412, Vickery, Ohio 43464. The EPA Identification Number for this facility is OHD020273819.

Why is Vickery Environmental, Inc. modifying its Permit?

Vickery Environmental, Inc. is permitted to operate hazardous waste container and tank units and other related hazardous waste management units at its facility. Vickery wants to: 1) modify its tank system without increasing the capacity of the unit; 2) update drawings for the piping system as well as the performance curves for pumps associated with the transfer system; and, 3) a Temporary Authorization was issued to begin the earthwork, concrete and reinforcement work for the upgrade to a double-walled piping system before the end of the construction season. To issue this final modified Permit, Ohio EPA determined that the modification application is complete and meets appropriate standards.

Can I appeal this final modified Permit?

Yes, if you are an officer of an agency of the state or of a political subdivision, acting in a representative capacity, or any person who would be aggrieved or adversely affected by this modified Permit, you have the right to appeal this Permit decision to the Environmental Review Appeals Commission (ERAC).

If I decide to appeal this final modified Permit, how and when must I make the appeal?

If you file an appeal, you must put it in writing no later than November 25, 2006. Your appeal must explain why you are appealing the action and the grounds you are using for your appeal. The appeal must be accompanied by a filing fee of \$70.00 which the Commission, in its discretion, may reduce if by affidavit you demonstrate that payment of the full amount of the fee would cause extreme hardship. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General's Office, Environmental Enforcement Section. You must file your appeal, according to Ohio Revised Code § 3745.04 with ERAC at the following address: **Environmental Review Appeals Commission**, 309 South Fourth Street, Room 222, Columbus, Ohio 43215. You must send a copy of the appeal to the director of Ohio EPA at the following address no later than three (3) days after you file it with ERAC: **Joseph P. Koncelik, Director of Ohio EPA**, P.O. Box 1049, Columbus, Ohio 43216-1049.

OHIO E.P.A.

OCT 25 2006

ENTERED DIRECTOR'S JOURNAL

OHIO ENVIRONMENTAL PROTECTION AGENCY

MODIFIED OHIO HAZARDOUS WASTE FACILITY
INSTALLATION AND OPERATION PERMIT

Date of Issuance: October 25, 2006

Effective Date: October 25, 2006

U.S. EPA ID No.: OHD020273819

Ohio Permit No.: 03-72-0191

Name of Permittee: Vickery Environmental, Inc.

Mailing Address: 3956 State Route 412
Vickery, Ohio 43464

Facility Location: 3956 State Route 412
Vickery, Ohio 43464

Person to Contact: Mr. Dan Raezer

This Modified Ohio Hazardous Waste Facility Installation and Operation Permit is issued pursuant and subject to Section 3734.05(I) of the Ohio Revised Code and Rule 3745-50-51(D) of the Ohio Administrative Code.

The Ohio Hazardous Waste Facility Installation and Operation Permit with the above-referenced permit number as issued by the Ohio Environmental Protection Agency and journalized on August 17, 2001 is hereby incorporated by reference in its entirety except as it may be modified herein.

This modification of the permit shall remain in effect until such time as the Ohio Hazardous Waste Facility Installation and Operation Permit is renewed, modified, withdrawn, suspended or revoked.

The permittee shall comply with all requirements of the modified Part B permit application as amended on August 14, 2006, August 24, 2006 and October 16, 2006. The information contained in the modified Part B permit application is incorporated herein by reference. Specifically, all written statements regarding the specifications, locations or capabilities of the processes, equipment, containment devices, safety devices or programs or other matters made by the applicant in the permit modification application are hereby incorporated as express, binding terms and conditions of this modified permit.

The modified Terms and Conditions of this permit are attached hereto and are incorporated herein by reference. The modified Terms and Conditions supersede and replace the corresponding pages found in the December 20, 2002 renewal permit.

Joseph P. Koncelik
Director

OHIO ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF HAZARDOUS WASTE MANAGEMENT

SUMMARY OF MODIFICATIONS TO HAZARDOUS WASTE
INSTALLATION AND OPERATION PERMIT

Vickery Environmental, Inc.
U.S. EPA ID #: OHD 020273819
Ohio ID #: 03-72-0191

Modifications of the Hazardous Waste Facility Installation and Operation Permit will authorize Vickery Environmental, Inc. (VEI) to make the following changes:

Class 2 Modification:

A modification of a tank system without increasing the capacity of the unit. This modification would allow VEI to install a double-walled piping system for the transfer of waste liquids.

A Temporary Authorization (TA) was issued for VEI to begin the earthwork, concrete and reinforcement work for the upgrade to a double-walled piping system before the end of the construction season. VEI requested the TA on August 14, 2006.

On August 31, 2006 the facility held a public meeting and the public comment period for this proposed modification ended on October 12, 2006. No comments or requests for a public meeting were received during this time. Therefore, a responsiveness summary is not included.

VEI Summary of Modification C2 (20060814)_jms.wpd

I certify this to be a true and accurate copy of the
official documents as filed in the records of the Ohio
Environmental Protection Agency.

By: Jonis Jackson Date: 10-25-06



State of Ohio Environmental Protection Agency

EET ADDRESS:

Lazarus Government Center
122 S. Front Street
Columbus, Ohio 43215

TELE: (614) 644-3020 FAX: (614) 644-3184
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Columbus, OH 43216-1049

CERTIFIED MAIL

December 23, 2005

Re: **Vickery Environmental, Inc.**
EPA ID No: OHD 020 273 819
Ohio ID No: 03-72-0191
Modified Hazardous Waste Permit

Mr. Stephen C. Lonneman
Vickery Environmental, Inc.
3956 State Route 412
Vickery, Ohio 43464

Dear Mr. Lonneman:

On September 27, 2005, Ohio EPA received Vickery Environmental, Inc.'s request to: add a "lockout/tag-out" procedure to the facility's contingency plan to be used during spill or release response activities to prevent the use of leaking equipment, pumps, pipes, and valves. For this modification, Vickery Environmental, Inc. submitted a Class 2 modification application¹. The Agency did not receive written comments concerning the Class 2 modification application. I have enclosed the final modified Ohio hazardous waste facility installation and operation permit (Permit) that was issued by the director today. Please note that the modified Permit remains in effect until it is renewed, withdrawn, suspended or revoked.

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¹Ohio EPA assigned tracking #s 050927-2-1 to this modification application.

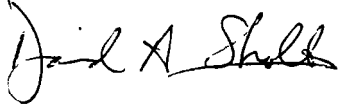
Bob Taft, Governor
Bruce Johnson, Lieutenant Governor
Joseph P. Koncelik, Director



Mr. Stephen Lonneman
Vickery Environmental, Inc.
December 23, 2005
Page 2

If you have any questions, please contact Jason Romp of Ohio EPA's Northwest District Office at (419) 352-8461.

Sincerely,



for Pamela S. Allen, Manager
Regulatory and Information Services
Division of Hazardous Waste Management

cc: Jeremy Carroll/Chris Hunt, ERAS, DHWM
Harriet Croke, U.S. EPA, Region V
John Pasquarette, DHWM, NWDO
Michael Terpinski, DHWM, NWDO
Gary Deutschman, DHWM, NWDO
Carol Hester, Ohio EPA, PIC
file

PUBLIC NOTICE

Sandusky County

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On December 23, 2005, Ohio EPA issued a final modified Hazardous Waste Facility Installation and Operation Permit (Permit) to Vickery Environmental, Inc. for its facility at 3956 State Route 412, Vickery, Ohio 43464. The EPA Identification Number for this facility is OHD020273819.

Why is Vickery Environmental, Inc. modifying its Permit?

Vickery Environmental, Inc. is permitted to operate hazardous waste container and tank units and other related hazardous waste management units at its facility. Vickery wants to add a "lockout/tag-out procedure to the facility's contingency plan to be used during spill or release response activities to prevent the use of leaking equipment, pumps, pipes, and valves. This final modified permit will allow Vickery to make the requested changes. To issue this final modified Permit, Ohio EPA determined that the modification application is complete and meets appropriate standards.

Can I appeal this final modified Permit?

Yes, if you are an officer of an agency of the state or of a political subdivision, acting in a representative capacity, or any person who would be aggrieved or adversely affected by this modified Permit, you have the right to appeal this Permit decision to the Environmental Review Appeals Commission (ERAC).

If I decide to appeal this final modified Permit, how and when must I make the appeal?

If you file an appeal, you must put it in writing no later than **January 29, 2006**. Your appeal must explain why you are appealing the action and the grounds you are using for your appeal. You must file your appeal, according to ORC § 3745.04, with ERAC at the following address: ***Environmental Review Appeals Commission***, 309 South Fourth Street, Room 222, Columbus, Ohio 43215. You must send a copy of the appeal to the director of Ohio EPA at the following address no later than three (3) days after you file it with ERAC: ***Joseph P. Koncelik, Director of Ohio EPA***, P.O. Box 1049, Columbus, Ohio 43216-1049.

OHIO ENVIRONMENTAL PROTECTION AGENCY

**MODIFIED OHIO HAZARDOUS WASTE FACILITY
INSTALLATION AND OPERATION PERMIT**

Date of Issuance: December 23, 2005
Effective Date: December 23, 2005

U.S. EPA ID No.: OHD 020 273 819
Ohio Permit No.: 03-72-0191

Name of Permittee: Vickery Environmental, Inc.
Mailing Address: 3956 State Route 412
Vickery, Ohio 43464
Facility Location: 3956 State Route 412
Vickery, Ohio 43464
Person to Contact: Stephen C. Lonneman

ENTERED DIRECTOR'S JOURNAL

DEC 23 2005

OHIO E.P.A.

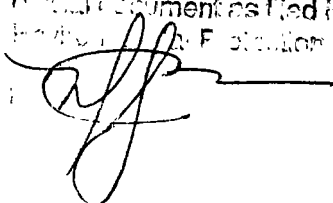
This Modified Ohio Hazardous Waste Facility Installation and Operation Permit is issued pursuant and subject to Section 3734.05(I) of the Ohio Revised Code and Rule 3745-50-51(D) of the Ohio Administrative Code.

The Ohio Hazardous Waste Facility Installation and Operation Permit with the above-referenced permit number as issued by the Ohio Environmental Protection Agency and journalized on August 17, 2001, is hereby incorporated by reference in its entirety, except as it may be modified herein.

This modification of the permit shall remain in effect until such time as the Ohio Hazardous Waste Facility Installation and Operation Permit is renewed, modified, withdrawn, suspended or revoked.

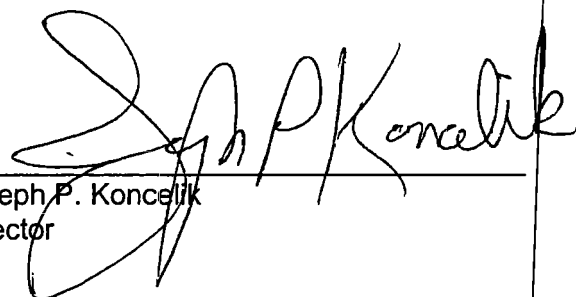
The Permittee shall comply with all requirements of the modified Part B permit application as amended or supplemented on September 27, 2005. The information contained in the modified Part B permit application is incorporated herein by reference. Specifically, all written statements regarding the specifications, locations or capabilities of the processes, equipment, containment devices, safety devices or programs or other matters made by the applicant in the permit modification application are hereby incorporated as express, binding terms and conditions of this modified permit.

I certify this to be a true and accurate copy of the original document as filed in the records of the Ohio Environmental Protection Agency.



DEC 23 2005

Joseph P. Koncelik
Director



OHIO ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF HAZARDOUS WASTE MANAGEMENT

SUMMARY OF MODIFICATIONS TO HAZARDOUS WASTE
INSTALLATION AND OPERATION PERMIT

Vickery Environmental, Inc.
U.S. EPA ID #: OHD020273819
Ohio Permit #: 03-72-0191

Modification of the Hazardous Waste Facility Installation and Operation Permit will authorize Vickery Environmental, Inc. to make the following change:

Class 2 Modification:

- 1) Addition of a "lockout / tag-out" procedure to the facility's contingency plan to be used during spill or release response activities to prevent the use of leaking equipment, pumps, pipes, and valves.



State of Ohio Environmental Protection Agency

STREET ADDRESS:

Lazarus Government Center
122 S. Front Street
Columbus, Ohio 43215

TELE: (614) 644-3020 FAX: (614) 644-3184
www.epa.state.oh.us

MAILING ADDRESS:

P.O. Box 1049
Columbus, Ohio 43216-1049

CERTIFIED MAIL

December 16, 2005

Re: **Vickery Environmental, Inc.**
EPA ID No: OHD 020 273 819
Ohio ID No: 03-72-0101
Modified Hazardous Waste Permit

Mr. Stephen C. Lonneman
Vickery Environmental, Inc.
3956 State Route 412
Vickery, Ohio 43464

Dear Mr. Lonneman:

On August 18, 2005, Ohio EPA received Vickery Environmental, Inc.'s request to: 1) revise the facility's cyanide and sulfide analytical requirements to indicate when the analyses are necessary, and; 2) replace site-specific analytical methods 97-02 (i.e., Solvents Analysis in Hazardous Waste Using Gas Chromatography) and SSP-97-66 (i.e., Acid Waste Reactivity by Potentiometric Titration). For this modification, Vickery Environmental, Inc. submitted a Class 2 modification application¹. The Agency did not receive written comments concerning the Class 2 modification application. I have enclosed the final modified Ohio hazardous waste facility installation and operation permit (Permit) that was issued by the director today. Please note that the modified Permit remains in effect until it is renewed, withdrawn, suspended or revoked.

You have the right to appeal this Permit decision to the Environmental Review Appeals Commission (ERAC) no later than 30 days after the public notice (See Ohio Revised Code § 3745.04). You may file your appeal with ERAC at the following address: Environmental Review Appeals Commission, 309 South Fourth Street, Room 222, Columbus, Ohio 43215.

If you file an appeal, you must put it in writing. Your appeal must explain why you are appealing the action and the grounds you are using for your appeal. You must send a copy of the appeal to the director of the Ohio Environmental Protection Agency no later than three (3) days after you file it with ERAC.

¹Ohio EPA assigned tracking #s 050818-2-1 to this modification application.



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Bob Taft, Governor
Bruce Johnson, Lieutenant Governor
Joseph P. Koncelik, Director

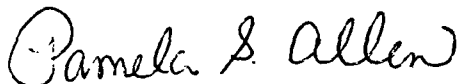
Ohio EPA is an Equal Opportunity

RECEIVED
JAN 16 2006
Technical Support Section
Waste Management Division
Waste, Pesticides, and Toxics
U.S. EPA - Region 5

Mr. Stephen Lonneman
Vickery Environmental, Inc.
December 16, 2005
Page 2

If you have any questions, please contact Jason Romp of Ohio EPA's Northwest District Office at (419) 352-8461.

Sincerely,



Pamela S. Allen, Manager
Regulatory and Information Services
Division of Hazardous Waste Management

cc: Jeremy Carroll/Chris Hunt, ERAS, DHWM
Harriet Croke, U.S. EPA, Region V
John Pasquarette, DHWM, NWDO
Michael Terpinski, DHWM, NWDO
Gary Deutschman, DHWM, NWDO
Carol Hester, Ohio EPA, PIC
file

PUBLIC NOTICE

Sandusky County

OHIO EPA ISSUES FINAL MODIFIED HAZARDOUS WASTE PERMIT

On December 16, 2005, Ohio EPA issued a final modified Hazardous Waste Facility Installation and Operation Permit (Permit) to Vickery Environmental, Inc. for its facility at 3956 State Route 412, Vickery, Ohio 43464. The EPA Identification Number for this facility is OHD020273819.

Why is Vickery Environmental, Inc. modifying its Permit?

Vickery Environmental, Inc. is permitted to operate hazardous waste container and tank units and other related hazardous waste management units at its facility. Vickery wants to: 1) revise the facility's cyanide and sulfide analytical requirements to indicate when the analyses are necessary; and, 2) replace site-specific analytical methods 97-02 (i.e., Solvents Analysis in Hazardous Waste Using Gas Chromatography) and SSP-97-66 (i.e., Acid Waste Reactivity by Potentionmetric Titration). To issue this final modified Permit, Ohio EPA determined that the modification application is complete and meets appropriate standards.

Can I appeal this final modified Permit?

Yes, if you are an officer of an agency of the state or of a political subdivision, acting in a representative capacity, or any person who would be aggrieved or adversely affected by this modified Permit, you have the right to appeal this Permit decision to the Environmental Review Appeals Commission (ERAC).

If I decide to appeal this final modified Permit, how and when must I make the appeal?

If you file an appeal, you must put it in writing no later than **January 21, 2006**. Your appeal must explain why you are appealing the action and the grounds you are using for your appeal. You must file your appeal, according to ORC § 3745.04, with ERAC at the following address: ***Environmental Review Appeals Commission***, 309 South Fourth Street, Room 222, Columbus, Ohio 43215. You must send a copy of the appeal to the director of Ohio EPA at the following address no later than three (3) days after you file it with ERAC: ***Joseph P. Koncelik, Director of Ohio EPA***, P.O. Box 1049, Columbus, Ohio 43216-1049.

OHIO E.P.A.

OHIO ENVIRONMENTAL PROTECTION AGENCY

DEC 16 2005

**MODIFIED OHIO HAZARDOUS WASTE FACILITY
INSTALLATION AND OPERATION PERMIT**

Date of Issuance: December 16, 2005

Effective Date: December 16, 2005

U.S. EPA ID No.: OHD 020 273 819

Ohio Permit No.: 03-72-0191

Name of Permittee: Vickery Environmental, Inc.

Mailing Address: 3956 State Route 412
Vickery, Ohio 43464

Facility Location: 3956 State Route 412
Vickery, Ohio 43464

Person to Contact: Stephen C. Lonneman

This Modified Ohio Hazardous Waste Facility Installation and Operation Permit is issued pursuant and subject to Section 3734.05(I) of the Ohio Revised Code and Rule 3745-50-51(D) of the Ohio Administrative Code.

The Ohio Hazardous Waste Facility Installation and Operation Permit with the above-referenced permit number as issued by the Ohio Environmental Protection Agency and journalized on August 17, 2001, is hereby incorporated by reference in its entirety, except as it may be modified herein.

This modification of the permit shall remain in effect until such time as the Ohio Hazardous Waste Facility Installation and Operation Permit is renewed, modified, withdrawn, suspended or revoked.

The Permittee shall comply with all requirements of the modified Part B permit application as amended or supplemented on August 18, 2005 and November 21, 2005. The information contained in the modified Part B permit application is incorporated herein by reference. Specifically, all written statements regarding the specifications, locations or capabilities of the processes, equipment, containment devices, safety devices or programs or other matters made by the applicant in the permit modification application are hereby incorporated as express, binding terms and conditions of this modified permit.

The modified Terms and Conditions of this permit are attached hereto and are incorporated herein by reference. The modified Terms and Conditions supersede and replace the corresponding pages found in the August 17, 2001 renewal permit.

This is to be a true and accurate copy of the
official document as filed in the records of the Ohio
Environmental Protection Agency

by: *Mary Jackson* Date: *12-16-05*

Joseph P. Koncelik

Joseph P. Koncelik
Director

OHIO ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF HAZARDOUS WASTE MANAGEMENT

SUMMARY OF MODIFICATIONS TO HAZARDOUS WASTE
INSTALLATION AND OPERATION PERMIT

Vickery Environmental, Inc.
U.S. EPA ID #: OHD020273819
Ohio Permit #: 03-72-0191

Modification of the Hazardous Waste Facility Installation and Operation Permit will authorize Vickery Environmental, Inc. to make the following change:

Class 2 Modification:

- 1) Revise site-specific laboratory analytical procedures contained in the facility's waste analysis plan in order to abate the violation contained in Ohio EPA's July 11, 2005 Notice of Violation letter. The most significant changes included the following:
 - Revision of cyanide and sulfide analytical requirements to indicate when the analyses are necessary; and,
 - Completely replace site-specific analytical methods 97-02 (i.e., *Solvents Analysis in Hazardous Waste Using Gas Chromatography*) and SSP-97-66 (i.e., *Acid Waste Reactivity by Potentiometric Titration*).

OHIO EPA DHWM

DEC 16 2005



State of Ohio Environmental Protection Agency

RECEIPT ADDRESS:

Lazarus Government Center
122 S. Front Street
Columbus, Ohio 43215

TELE: (614) 644-3020 FAX: (614) 644-3184

MAILING ADDRESS:

P.O. Box 1049
Columbus, OH 43216-1049

CERTIFIED MAIL

September 26, 2003

Re: **Vickery Environmental, Inc.**
EPA ID No: OHD 020 273 819
Ohio ID No: 03-72-0191
Modified Hazardous Waste Permit

Mr. Stephen C. Lonneman
Vickery Environmental, Inc.
3956 State Route 412
Vickery, Ohio 43464

Dear Mr. Lonneman:

On July 1, 2003, Ohio EPA received Vickery Environmental, Inc.'s requests to 1) install piping and a valve to bypass FAT-3 tank and pump from the filter press to Well #5 or to pump from the filter press through a booster pump to Well #6; 2) install piping and a valve to pump from the filter press through a booster pump to Well #2; 3) install piping and four valves to allow T-9 tank and T-10 tank to be used interchangeably; 4) install piping and two valves to allow the T-9 transfer pump to pump to the bag filters or the filter press; 5) install piping and a valve to pump from the bag filter to FAT-3 tank, and 6) install piping and a pressure relief valve after the filter press. For these modifications, Vickery Environmental, Inc. submitted a Class 2 modification application¹. The Agency did not receive written comments concerning the Class 2 modification application. I have enclosed the final modified Ohio hazardous waste facility installation and operation permit (Permit) that was issued by the director today. Please note that the modified Permit remains in effect until it is renewed, withdrawn, suspended or revoked.

You have the right to appeal this Permit decision to the Environmental Review Appeals Commission (ERAC) no later than 30 days after the public notice (See Ohio Revised Code § 3745.04). You may file your appeal with ERAC at the following address: Environmental Review Appeals Commission, 309 South Fourth Street, Room 222, Columbus, Ohio 43215.

¹Ohio EPA assigned tracking #s 030701-2-1 to this modification application.

Bob Taft, Governor
Jennette Bradley, Lieutenant Governor
Christopher Jones, Director



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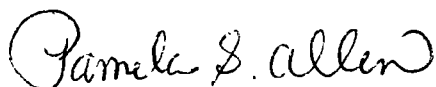
Ohio EPA is an Equal Opportunity Employer

Mr. Stephen Lonneman
Vickery Environmental, Inc.
September 26, 2003
Page 2

If you file an appeal, you must put it in writing. Your appeal must explain why you are appealing the action and the grounds you are using for your appeal. You must send a copy of the appeal to the director of the Ohio Environmental Protection Agency no later than three (3) days after you file it with ERAC.

If you have any questions, please contact Eric Getz of Ohio EPA's Northwest District Office at (419) 352-8461.

Sincerely,



Pamela S. Allen, Manager
Regulatory and Information Services
Division of Hazardous Waste Management

cc: Jeremy Carroll/Shannon Ryan, ERAS, DHWM
Harriet Croke, U.S. EPA, Region V
John Pasquarette, DHWM, NWDO
Eric Getz, DHWM, NWDO
Gary Deutschman, DHWM, NWDO
Carol Hester, Ohio EPA, PIC
file

PUBLIC NOTICE

Sandusky County

OHIO EPA ISSUES FINAL MODIFIED HAZARDOUS WASTE PERMIT

On September 26, 2003, Ohio EPA issued a final modified Hazardous Waste Facility Installation and Operation Permit (Permit) to Vickery Environmental, Inc. for its facility at 3956 State Route 412, Vickery, Ohio 43464. The EPA Identification Number for this facility is OHD020273819.

Why is Vickery Environmental, Inc. modifying its Permit?

Vickery Environmental, Inc. is permitted to operate hazardous waste container and tank units and other related hazardous waste management units at its facility. Vickery wants to: 1) install piping and a valve to bypass FAT-3 tank and pump from the filter press to Well #5 or to pump from the filter press through a booster pump to Well #6; 2) install piping and a valve to pump from the filter press through a booster pump to Well #2; 3) install piping and four valves to allow T-9 tank and T-10 tank to be used interchangeably; 4) install piping and two valves to allow the T-9 transfer pump to pump to the bag filters or the filter press; 5) install piping and a valve to pump from the bag filter to FAT-3 tank, and 6) install piping and a pressure relief valve after the filter press. To issue this final modified Permit, Ohio EPA determined that the modification application is complete and meets appropriate standards.

Can I appeal this final modified Permit?

Yes, if you are an officer of an agency of the state or of a political subdivision, acting in a representative capacity, or any person who would be aggrieved or adversely affected by this modified Permit, you have the right to appeal this Permit decision to the Environmental Review Appeals Commission (ERAC).

If I decide to appeal this final modified Permit, how and when must I make the appeal?

If you file an appeal, you must put it in writing no later than **October 28, 2003**. Your appeal must explain why you are appealing the action and the grounds you are using for your appeal. You must file your appeal, according to ORC § 3745.04, with ERAC at the following address: **Environmental Review Appeals Commission**, 309 South Fourth Street, Room 222, Columbus, Ohio 43215. You must send a copy of the appeal to the director of Ohio EPA at the following address no later than three (3) days after you file it with ERAC: **Christopher Jones, Director of Ohio EPA**, P.O. Box 1049, Columbus, Ohio 43216-1049.

OHIO E.P.A.

OHIO ENVIRONMENTAL PROTECTION AGENCY

SEP 26 2003

ENTERED DIRECTOR'S JOURNAL

**MODIFIED OHIO HAZARDOUS WASTE FACILITY
INSTALLATION AND OPERATION PERMIT**

Date of Issuance: September 26, 2003

Effective Date: September 26, 2003

U.S. EPA ID No.: OHD 020 273 819

Ohio Permit No.: 03-72-0191

Name of Permittee: Vickery Environmental, Inc.

Mailing Address: 3956 State Route 412
Vickery, Ohio 43464

Facility Location: 3956 State Route 412
Vickery, Ohio 43464

Person to Contact: Steve Lonneman

This Modified Ohio Hazardous Waste Facility Installation and Operation Permit is issued pursuant and subject to Section 3734.05(I) of the Ohio Revised Code and Rule 3745-50-51(D) of the Ohio Administrative Code.

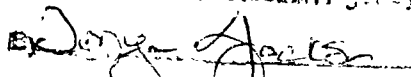
The Ohio Hazardous Waste Facility Installation and Operation Permit with the above-referenced permit number as issued by the Ohio Environmental Protection Agency and journalized on August 17, 2001, is hereby incorporated by reference in its entirety, except as it may be modified herein.

This modification of the permit shall remain in effect until such time as the Ohio Hazardous Waste Facility Installation and Operation Permit is renewed, modified, withdrawn, suspended or revoked.

The Permittee shall comply with all requirements of the modified Part B permit application as amended or supplemented on July 1, 2003 and July 28, 2003. The information contained in the modified Part B permit application is incorporated herein by reference. Specifically, all written statements regarding the specifications, locations or capabilities of the processes, equipment, containment devices, safety devices or programs or other matters made by the applicant in the permit modification application are hereby incorporated as express, binding terms and conditions of this modified permit.


Christopher Jones
Director

I certify this to be a true and accurate copy of the
original document filed for review at the Ohio
Environmental Protection Agency.

 09/24/03

**OHIO ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF HAZARDOUS WASTE MANAGEMENT**

**SUMMARY OF MODIFICATIONS TO HAZARDOUS WASTE
INSTALLATION AND OPERATION PERMIT**

Vickery Environmental, Inc.
U.S. EPA ID #: OHD 020 273 819
Ohio ID #: 03-72-0191

Modifications of the Hazardous Waste Facility Installation and Operation Permit will authorize Vickery Environmental, Inc. to make the following changes:

Class 2 Modifications:

1. Approval to install piping and a valve to bypass FAT-3 tank and pump from the filter press to Well #5 or to pump from the filter press through a booster pump to Well #6.
2. Approval to install piping and a valve to pump from the filter press through a booster pump to Well #2.
3. Approval to install piping and four valves to allow T-9 tank and T-10 tank to be used interchangeably.
4. Approval to install piping and two valves to allow the T-9 transfer pump to pump to the bag filters or the filter press.
5. Approval to install piping and a valve to pump from the bag filter to FAT-3 tank.
6. Approval to install piping and a pressure relief valve after the filter press.

OHIO EPA DHWM

SEP 26 2003

RECEIVED

OCT 6 2003

Technical Support and Compliance Section
Waste Management Branch
Waste, Pesticides and Toxics Division
U.S. EPA - Region 5



State of Ohio Environmental Protection Agency

RECEIVED ADDRESS:

State Government Center
122 S. Front Street
Columbus, OH 43215-1099

TELE: (614) 644-3020 FAX: (614) 644-2929

RECEIVED

OCT 22 2001

MAILING ADDRESS:

P.O. Box 1049
Columbus, OH 43216-1049

CERTIFIED MAIL

October 12, 2001

Re: **Vickery Environmental, Inc.**
EPA ID No: OHD 020 273 819
Ohio ID No: 03-72-0191
Modified Hazardous Waste Permit

Mr. Stephen C. Lonneman
Vickery Environmental, Inc.
3956 State Route 412
Vickery, Ohio 43464

Dear Mr. Lonneman:

On June 18, 2001, Ohio EPA received Vickery Environmental, Inc.'s request to change the acceptance condition for wastes received from off-site sources from a maximum oil content of 5% to a maximum oil content of 10%. For this modification, Vickery Environmental, Inc. submitted a Class 2 modification application¹. The Agency did not receive written comments concerning this Class 2 modification application. I have enclosed the final modified Ohio hazardous waste facility installation and operation permit (Permit) that was issued by the director today. Please note that the modified Permit remains in effect until it is renewed, withdrawn, suspended or revoked.

You have the right to appeal this Permit decision to the Environmental Review Appeals Commission (ERAC) no later than 30 days after the public notice (See Ohio Revised Code § 3745.04). You may file your appeal with ERAC at the following address: Environmental Review Appeals Commission, 236 E. Town Street, Room 300, Columbus, Ohio 43215.

If you file an appeal, you must put it in writing. Your appeal must explain why you are appealing the action and the grounds you are using for your appeal. You must send a copy of the appeal to the director of the Ohio Environmental Protection Agency no later than three (3) days after you file it with ERAC.

¹Ohio EPA assigned tracking # 010618-2-1 to this modification application.

Bob Taft, Governor
Maureen O'Connor, Lieutenant Governor
Christopher Jones, Director

Mr. Stephen Lonneman
Vickery Environmental, Inc.
October 12, 2001
Page 2

If you have any questions, please contact David Schilt of the Northwest District Office at (419) 352-8461.

Sincerely,



Pamela S. Allen, Manager
Information Technologies & Technical Support Section
Division of Hazardous Waste Management

cc: Jeremy Carroll/Troy Kajfasz, ERAS, DHWM
Harriet Croke, U.S. EPA, Region V
Raymond Roe, Hazardous Waste Facility Board
Shannon Nabors/David Schilt, NWDO, DHWM
Carol Hester, Ohio EPA, PIC

PUBLIC NOTICE

Sandusky County

OHIO EPA ISSUES FINAL MODIFIED HAZARDOUS WASTE PERMIT

On October 12, 2001, Ohio EPA issued a final modified Hazardous Waste Facility Installation and Operation Permit (Permit) to Vickery Environmental, Inc. for its facility at 3956 State Route 412, Vickery, Ohio 43464. The EPA Identification Number for this facility is OHD020273819.

Why is Vickery Environmental, Inc. modifying its Permit?

Vickery Environmental, Inc. is permitted to operate hazardous waste container and tank units and other related hazardous waste management units at its facility. Vickery wants to change the acceptance condition for wastes received from off-site sources from a maximum oil content of 5% to a maximum oil content of 10%. This final modified permit will allow Vickery to make the requested changes. To issue this final modified Permit, Ohio EPA determined that the modification application is complete and meets appropriate standards.

Can I appeal this final modified Permit?

Yes, if you are an officer of an agency of the state or of a political subdivision, acting in a representative capacity, or any person who would be aggrieved or adversely affected by this modified Permit, you have the right to appeal this Permit decision to the Environmental Review Appeals Commission (ERAC).

If I decide to appeal this final modified Permit, how and when must I make the appeal?

If you file an appeal, you must put it in writing no later than **November 15, 2001**. Your appeal must explain why you are appealing the action and the grounds you are using for your appeal. You must file your appeal, according to ORC § 3745.04, with ERAC at the following address: ***Environmental Review Appeals Commission***, 236 E. Town Street, Room 300, Columbus, Ohio 43215. You must send a copy of the appeal to the director of Ohio EPA at the following address no later than three (3) days after you file it with ERAC: ***Christopher Jones, Director of Ohio EPA***, P.O. Box 1049, Columbus, Ohio 43216-1049.

OHIO E.P.A.

OCT 12 2001

ENTERED DIRECTOR'S JOURNAL

OHIO ENVIRONMENTAL PROTECTION AGENCY

**MODIFIED OHIO HAZARDOUS WASTE FACILITY
INSTALLATION AND OPERATION PERMIT**

Date of Issuance: October 12, 2001

Effective Date: October 12, 2001

U.S. EPA ID No.: OHD020273819

Ohio Permit No.: 03-73-0191

Name of Permittee: Vickery Environmental, Inc.

Mailing Address: 3956 State Route 413
Vickery, Ohio 43464

Facility Location: 3956 State Route 413
Vickery, Ohio 43464

Person to Contact: Steve Lonneman

This Modified Ohio Hazardous Waste Facility Installation and Operation Permit is issued pursuant and subject to Section 3734.05(I) of the Ohio Revised Code and Rule 3745-50-51(D) of the Ohio Administrative Code.

The Ohio Hazardous Waste Facility Installation and Operation Permit with the above-referenced permit number as issued by the Ohio Environmental Protection Agency and journalized on August 17, 2001 is hereby incorporated by reference in its entirety except as it may be modified herein.

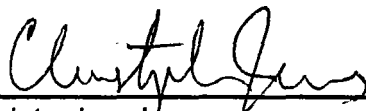
This modification of the permit shall remain in effect until such time as the Ohio Hazardous Waste Facility Installation and Operation Permit is renewed, modified, withdrawn, suspended or revoked.

The permittee shall comply with all requirements of the modified Part B permit application as amended or supplemented on June 18, 2001. The information contained in the modified Part B permit application is incorporated herein by reference. Specifically, all written statements regarding the specifications, locations or capabilities of the processes, equipment, containment devices, safety devices or programs or other matters made by the applicant in the permit modification application are hereby incorporated as express, binding terms and conditions of this modified permit.

For information, a copy of this permit is being placed in a copy of the official document as filed in the records of the Ohio Environmental Protection Agency.

By: Jana L. Cleary Date: 10-12-01

The modified Terms and Conditions of this permit are attached hereto and are incorporated herein by reference. The modified Terms and Conditions supersede and replace the corresponding pages found in the August 17, 2001, renewal permit.

A handwritten signature in cursive script, appearing to read "Christopher Jones", written over a horizontal line.

Christopher Jones
Director

OHIO ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF HAZARDOUS WASTE MANAGEMENT

SUMMARY OF MODIFICATIONS TO HAZARDOUS WASTE
INSTALLATION AND OPERATION PERMIT

Vickery Environmental, Inc.
U.S. EPA ID #: OHD020273819
Ohio ID #: 03-73-0191

Modification of the Hazardous Waste Facility Installation and Operation Permit will authorize Vickery Environmental, Inc. to make the following change:

Class 2 Modification:

This modification will change the acceptance condition for wastes received from off-site sources from a maximum oil content of 5% to a maximum oil content of 10%.

CHEMICAL WASTE MANAGEMENT, INC.

3956 STATE ROUTE 412 • VICKERY, OHIO 43464 • 419-547-7791 • FAX: 419-547-6144

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
P 602 174 405

April 22, 1996

Mr. Valdus Adamkus
Regional Administrator
U.S. Environmental Protection Agency Region V
77 W. Jackson Blvd.
Chicago, IL 60609

Dear Mr. Adamkus:

On April 9, 1996, Chemical Waste Management (CWM) Vickery, Ohio submitted a request for modification for its exemption from land disposal restrictions. Attached to this request were Table 1 and Table 2. In the final regulation published on April 8, 1996, a few waste codes which were in the draft regulation were not included. Therefore, CWM is submitting revised Table 1 and Table 2 that include only the waste codes which were included in the April 8, 1996 Federal Register.

In addition, attached is a copy of an excerpt from the "Handbook of Chemical Property Estimation Methods" that shows the Hayduk and Laudie method for estimating diffusion coefficients of organic compounds in water.

If you have any questions, please contact Steve Lonneman at 419-547-3317.

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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APR 26 1996

U.S. EPA REGION 5
OFFICE OF REGIONAL ADMINISTRATOR

Mr. Valdas Adamkus

Page 2

April 22, 1996

Sincerely yours,
Chemical Waste Management, Inc.



F.G. Nicar
General Manager

FGN/SCL/

Attachments

cc w/attachments: Nathan Wiser, USEPA Region V
Mary Lou Rochotte, OEPA
Laura Keener, WMI
Agency Correspondence File

TABLE 1

WASTE CODE	CHEMICAL	PREVIOUSLY APPROVED WASTE CODE(S)	
D018	Benzene	U019	
D019	Carbon tetrachloride	F001-F005	
D020	Chlordane (alpha and gamma isomers)	U036	
D021	Chlorobenzene	U037	
D022	Chloroform	K009	
D023	o-Cresol	U052	
D024	m-Cresol	U052	
D025	p-Cresol	U052	
D026	Cresol-mixed isomers (Cresylic acid)(sum of o-, m-, and p-cresol concentrations)	U052	
D027	p-Dichlorobenzene (1,4-Dichlorobenzene)	U072	
D028	1,2-Dichloroethane	U076	
D029	1,1-Dichloroethylene	U078	
D030	2,4-Dinitrotoluene	U105	
D031	Heptachlor	F039	
	Heptachlor epoxide	F039	
D032	Hexachlorobenzene	U127	
D033	Hexachlorobutadiene	U128	
D034	Hexachloroethane	U131	
D035	Methyl ethyl ketone	U159	
D036	Nitrobenzene	U169	
D037	Pentachlorophenol	F039	
D038	Pyridine	U196	
D039	Tetrachloroethylene	U210	
D040	Trichloroethylene	U228	
D041	2,4,5-Trichlorophenol	F039	
D042	2,4,6-Trichlorophenol	F039	

TABLE 1

WASTE CODE	CHEMICAL	PREVIOUSLY APPROVED WASTE CODE(S)	
D043	Vinyl chloride	F039	
K088	Acenaphthene	F037, F039	
	Anthracene	F037, F039	
	Benz(a)anthracene	F039, U018	
	Benzo(a)pyrene	K035, U022	
	Benzo(b)fluoranthene	F039, K015	
	Benzo(k)fluoranthene	F039, K015	
	Benzo(g,h,i)perylene	F039	
	Chrysene	U050, F039	
	Dibenzo(a,h)anthracene	U063, F039	
	Fluoranthene	F039	
	Indeno(1,2,3,-c,d)pyrene	F039, K035	
	Phenanthrene	F037, F039	
	Pyrene	F037, K037	
	Antimony	F039	
	Arsenic	D004	
	Barium	D005	
	Beryllium	F039	
	Cadmium	D006	
	Chromium (Total)	D007	
	Lead	D008	

TABLE 1

WASTE CODE	CHEMICAL	PREVIOUSLY APPROVED WASTE CODE(S)	
K088 (cont)	Mercury	D009	
	Nickel	F039	
	Selenium	D010	
	Silver	D011	
	Cyanide (Total)	F006	
	Cyanide (Amenable)	F006	
	Fluoride	F039	
K156	Acetone	U002	
	Acetonitrile	U003	
	Acetophenone	U004	
	Aniline	U012	
	Benomyl	*	
	Benzene	U019	
	Carbaryl	*	
	Carbenzadim	*	
	Carbofuran	*	
	Carbosulfan	*	
	Chlorobenzene	U037	
	Chloroform	U044	
	o-Dichlorobenzene	U070	

TABLE 1

WASTE CODE	CHEMICAL	PREVIOUSLY APPROVED WASTE CODE(S)	
K156 (cont)	Hexane	*	
	Methomyl	*	
	Methylene chloride	F001-F005	
	Methyl ethyl ketone	U159	
	Methyl isobutyl ketone	U161	
	Naphthalene	U165	
	Phenol	U188	
	Pyridine	U196	
	Toluene	U220	
	Triethylamine	*	
	Xylenes (total)	U239	
K157	Acetone	U002	
	Carbon tetrachloride	F001-F005	
	Chloroform	U044	
	Chloromethane	F039	
	Methanol	F039	
	Methomyl	*	
	Methylene chloride	F001-F005	
	Methyl ethyl ketone	U159	
	Methyl isobutyl ketone	U161	

TABLE 1

WASTE CODE	CHEMICAL	PREVIOUSLY APPROVED WASTE CODE(S)	
K157 (cont)	o-Phenylenediamine	*	
	Pyridine	U196	
	Triethylamine	*	
K158	Benomyl	*	
	Benzene	U019	
	Carbenzadim	*	
	Carbofuran	*	
	Carbosulfan	*	
	Chloroform	U044	
	Hexane	*	
	Methanol	F039	
	Methylene chloride	F001-F005	
	Phenol	U188	
	Xylenes (total)	U239	
K159	Benzene	U019	
	Butylate	*	
	EPTC (Eptam)	*	
	Molinate	*	
	Pebulate	*	

TABLE 1

WASTE CODE	CHEMICAL	PREVIOUSLY APPROVED WASTE CODE(S)	
K159 (cont)	Thiocarbamate, N.O.S.	*	
	Vernolate	*	
K160	Butylate	*	
	EPTC (Eptam)	*	
	Molinate	*	
	Pebulate	*	
	Thiocarbamate, N.O.S.	*	
	Toluene	U220	
	Vernolate	*	
	Xylenes (total)	U239	
K161	Antimony	F039	
	Arsenic	D004	
	Carbon disulfide	F039	
	Dithiocarbamates, total	*	
	Lead	D008	
	Nickel	F006	
	Selenium	D010	
	Xylenes (total)	U239	
P127	Carbofuran	*	
P128	Mexacarbate	*	
P185	Tirpate	*	
P188	Physostigmine salicylate	*	

TABLE 1

WASTE CODE	CHEMICAL	PREVIOUSLY APPROVED WASTE CODE(S)	
P189	Carbosulfan	*	
P190	Metolcarb	*	
P191	Dimetilan	*	
P192	Isolan	*	
P194	Oxamyl	*	
P196	Manganese dimethyldithiocarbamate (Dithiocarbamates (total))	*	
P197	Formparanate	*	
P198	Formetanate hydrochloride	*	
P199	Methiocarb	*	
P201	Promecarb	*	
P202	m-Cumenyl methylcarbamate	*	
P203	Aldicarb sulfone	*	
P204	Physostigmine	*	
P205	Ziram (Dithiocarbamates (total))	*	
U271	Benomyl	*	
U277	Sulfallate	*	
U278	Bendiocarb	*	
U279	Carbaryl	*	
U280	Barban	*	
U364	Bendiocarb phenol	*	
U365	Molinate	*	
U366	Dazomet (Dithiocarbamates (total))	*	
U367	Carbofuran phenol	*	
U372	Carbendazim	*	
U373	Propham	*	
U375	3-Iodo2-propynyl n-butylcarbamate (Troysan Polyphase)	*	

TABLE 1

WASTE CODE	CHEMICAL	PREVIOUSLY APPROVED WASTE CODE(S)	
U376	Selenium, Tetrakis(dimethyl dithiocarbamate) (Dithiocarbamates (total))	*	
	Selenium	D010	
U377	Potassium n-methyldithiocarbamate (Dithiocarbamates (total))	*	
U378	Potassium n-hydroxymethyl-n-methyldithiocarbamate (Dithiocarbamates (total))	*	
U379	Sodium dibutyldithiocarbamate (Dithiocarbamates (total))	*	
U381	Sodium diethyldithiocarbamate (Dithiocarbamates (total))	*	
U382	Sodium dimethyldithiocarbamate (Dithiocarbamates (total))	*	
U383	Potassium dimethyl dithiocarbamate (Dithiocarbamates (total))	*	
U384	Metam Sodium (Dithiocarbamates (total))	*	
U385	Vernolate	*	
U386	Cycloate	*	
U387	Prosulfocarb	*	
U389	Triallate	*	
U390	Eptam (EPTC)	*	
U391	Pebulate	*	
U392	Butylate	*	
U393	Copper dimethyldithiocarbamate (Dithiocarbamates (total))	*	
U394	A2213	*	
U395	Diethylene glycol, dicarbamate	*	

TABLE 1

WASTE CODE	CHEMICAL	PREVIOUSLY APPROVED WASTE CODE(S)	
U396	Ferbam	*	
U400	Bis(pentamethylene)thiuram tetrasulfide (Dithiocarbamates (total))	*	
U401	Tetramethyl thiuram monsulfide (Dithiocarbamates (total))	*	
U402	Tetrabutylthiuram disulfide (Dithiocarbamates (total))	*	
U403	Disulfuram (Dithiocarbamates (total))	*	
U404	Triethylamine	*	
U407	Ethyl Ziram (Dithiocarbamates (total))	*	
U409	Thiophanate-methyl	*	
U410	Thiodicarb	*	
U411	Propoxur	*	

TABLE 2

WASTE CODE	CHEMICAL	CAS NUMBER	MOLECULAR FORMULA	MOLECULAR WEIGHT (g/mol)	ESTIMATED DIFFUSIVITY IN WATER AT 20C (CM ² /SEC)
K156	Benomyl	17804-35-2	C ₁₄ H ₁₈ N ₄ O ₃	290.3	4.33E-06
	Carbaryl	63-25-2	C ₁₂ H ₁₁ NO ₂	201.2	5.49E-06
	Carbenzadim	10605-21-7	C ₉ H ₉ N ₃ O ₂	191	5.81E-06
	Carbofuran	1563-66-2	C ₁₂ H ₁₅ NO ₃	221.2	5.10E-06
	Carbosulfan	55285-14-8	C ₂₀ H ₃₂ N ₂ O ₃ S	380.5	3.94E-06
	Hexane	110-54-3	C ₆ H ₁₄	86	7.18E-06
	Methomyl	16752-77-5	C ₅ H ₁₀ N ₂ O ₂ S	162.2	6.09E-06
	Triethylamine	121-44-8	C ₆ H ₁₅ N	101.2	6.75E-06
K157	Methomyl	16752-77-5	C ₅ H ₁₀ N ₂ O ₂ S	162.2	6.09E-06
	o-Phenylenediamine	95-54-5	C ₆ H ₈ N ₂	108.2	7.61E-06
	Triethylamine	121-44-8	C ₆ H ₁₅ N	101.2	6.09E-06
K158	Benomyl	17804-35-2	C ₁₄ H ₁₈ N ₄ O ₃	290.3	4.33E-06
	Carbenzadim	10605-21-7	C ₉ H ₉ N ₃ O ₂	191	5.81E-06
	Carbofuran	1563-66-2	C ₁₂ H ₁₅ NO ₃	221.2	5.10E-06
	Carbosulfan	55285-14-8	C ₂₀ H ₃₂ N ₂ O ₃ S	380.5	3.94E-06
	Hexane	110-54-3	C ₆ H ₁₄	86	7.18E-06
K159	Butylate	2008-41-5	C ₁₁ H ₂₃ NOS	217	4.66E-06

TABLE 2

WASTE CODE	CHEMICAL	CAS NUMBER	MOLECULAR FORMULA	MOLECULAR WEIGHT (g/mol)	ESTIMATED DIFFUSIVITY IN WATER AT 20C (CM ² /SEC)
K159 (CONT)	EPTC (Eptam)	759-94-4	C ₉ H ₁₉ NOS	189	5.14E-06
	Molinate	2212-67-1	C ₉ H ₁₇ NOS	187	5.43E-06
	Pebulate	1114-71-2	C ₁₀ H ₂₁ NOS	203	4.88E-06
	Thiocarbamate, N.O.S. ¹	NA			5.00E-06
	Vernolate	1929-77-7	C ₁₀ H ₂₁ NOS	203	4.88E-06
K160	Butylate	2008-41-5	C ₁₁ H ₂₃ NOS	217	4.66E-06
	EPTC (Eptam)	759-94-4	C ₉ H ₁₉ NOS	189	5.14E-06
	Molinate	2212-67-1	C ₉ H ₁₇ NOS	187	5.43E-06
	Pebulate	1114-71-2	C ₁₀ H ₂₁ NOS	203	4.88E-06
	Thiocarbamate, N.O.S. ¹	NA			5.00E-06
K161	Dithiocarbamates (total) ²	137-30-4	C ₅ H ₁₀ NS ₂	171.3	6.26E-06
P127	Carbofuran	1563-66-2	C ₁₂ H ₁₅ NO ₃	221.2	5.10E-06
P128	Mexacarbate	315-18-4	C ₁₂ H ₁₈ N ₂ O ₂	222.3	4.67E-06
P185	Tirpate	26419-73-8	C ₈ H ₁₄ N ₂ O ₂ S ₂	234.4	4.90E-06
P188	Physostigmine salicylate	57-64-7	C ₁₅ H ₂₁ N ₃ O ₂ , C ₇ H ₆ O ₃	413.5	3.35E-06
P189	Carbosulfan	55285-14-8	C ₂₀ H ₃₂ N ₂ O ₃ S	380.5	3.94E-06
P190	Metolcarb	1129-41-5	C ₉ H ₁₁ NO ₂	165.2	5.74E-06
P191	Dimetilan	644-64-4	C ₁₀ H ₁₆ N ₄ O ₃	240.3	4.65E-06
P192	Isolan	119-38-0	C ₁₀ H ₁₇ N ₃ O ₂	211.3	4.85E-06
P194	Oxamyl	23135-22-0	C ₇ H ₁₃ N ₃ O ₃ S	219.3	5.13E-06

TABLE 2

WASTE CODE	CHEMICAL	CAS NUMBER	MOLECULAR FORMULA	MOLECULAR WEIGHT (g/mol)	ESTIMATED DIFFUSIVITY IN WATER AT 20C (CM ² /SEC)
P196	Dithiocarbamates (total)	137-30-4	C5H10NS2	171.3	6.26E-06
P197	Formparanate	17702-57-7	C12H17N3O2	235.3	4.56E-06
P198	Formetanate hydrochloride	23422-53-9	C11H15N3O2, ClH	257.8	4.51E-06
P199	Methiocarb	2032-65-7	C11H15NO2S	225.3	4.83E-06
P201	Promecarb	2631-37-0	C12H17NO2	207.3	4.86E-06
P202	Hercules AC-5727	64-00-6	C11H15NO2	193.3	5.11E-06
P203	Aldicarb sulfone	1646-88-4	C7H14N2O4S	222.3	5.17E-06
P204	Physostigmine	57-47-6	C15H21N3O2	275.4	4.11E-06
P205	Dithiocarbamates (total)	137-30-4	C5H10NS2	171.3	6.26E-06
U271	Benomyl	17804-35-2	C14H18N4O3	290.3	4.33E-06
U277	Sulfallate	95-06-7	C8H14ClNS2	223.8	4.98E-06
U278	Bendiocarb	22781-23-3	C11H13NO4	223.3	5.05E-06
U279	Carbaryl	63-25-2	C12H11NO2	201.2	5.49E-06
U280	Barban	101-27-9	C11H9Cl2NO2	258.1	4.81E-06
U364	Bendiocarb phenol	22961-82-6	C9H10O3	166	5.97E-06
U365	Molinate	2212-67-1	C9H17NOS	187.3	5.42E-06
U366	Dithiocarbamates (total)	137-30-4	C5H10NS2	171.3	6.26E-06
U367	Carbofuran phenol	1563-38-8	C10H12O2	164	5.72E-06
U372	Carbendazim	10605-21-7	C9H9N3O2	191.2	5.81E-06
U373	Propham	122-42-9	C10H13NO2	179.2	5.40E-06
U375	Troysan Polyphase	55406-53-6	C8H12INO2	281.1	5.45E-06
U376	Dithiocarbamates (total)	137-30-4	C5H10NS2	171.3	6.26E-06
U377	Dithiocarbamates (total)	137-30-4	C5H10NS2	171.3	6.26E-06

TABLE 2

WASTE CODE	CHEMICAL	CAS NUMBER	MOLECULAR FORMULA	MOLECULAR WEIGHT (g/mol)	ESTIMATED DIFFUSIVITY IN WATER AT 20C (CM ² /SEC)
U378	Dithiocarbamates (total)	137-30-4	C5H10NS2	171.3	6.26E-06
U379	Dithiocarbamates (total)	137-30-4	C5H10NS2	171.3	6.26E-06
U381	Dithiocarbamates (total)	137-30-4	C5H10NS2	171.3	6.26E-06
U382	Dithiocarbamates (total)	137-30-4	C5H10NS2	171.3	6.26E-06
U383	Dithiocarbamates (total)	137-30-4	C5H10NS2	171.3	6.26E-06
U384	Dithiocarbamates (total)	137-30-4	C5H10NS2	171.3	6.26E-06
U385	Vernolate	1929-77-7	C10H21NOS	203	4.88E-06
U386	Cycloate	1134-23-2	C11H21NOS	215.4	4.69E-06
U387	Prosulfocarb	52888-80-9	C14H21NOS	251	4.36E-06
U389	Triallate	2303-17-5	C10H16Cl3NOS	304.7	4.34E-06
U390	Eptam	759-94-4	C9H19NOS	189	5.14E-06
U391	Pebulate	1114-71-2	C10H21NOS	203	4.88E-06
U392	Butylate	2008-41-5	C11H23NOS	217	4.66E-06
U393	Dithiocarbamates (total)	137-30-4	C5H10NS2	171.3	6.26E-06
U394	A2213	30558-43-1	C5H9N3O2S	162	6.23E-06
U395	Diethylene glycol, dicarbamate	5952-26-1	C6H12N2O5	192.3	5.99E-06
U396	Dithiocarbamates (total)	137-30-4	C5H10NS2	171.3	6.26E-06

TABLE 2

WASTE CODE	CHEMICAL	CAS NUMBER	MOLECULAR FORMULA	MOLECULAR WEIGHT (g/mol)	ESTIMATED DIFFUSIVITY IN WATER AT 20C (CM ² /SEC)
U400	Dithiocarbamates (total)	137-30-4	C5H10NS2	171.3	6.26E-06
U401	Dithiocarbamates (total)	137-30-4	C5H10NS2	171.3	6.26E-06
U402	Dithiocarbamates (total)	137-30-4	C5H10NS2	171.3	6.26E-06
U403	Dithiocarbamates (total)	137-30-4	C5H10NS2	171.3	6.26E-06
U404	Triethylamine	121-44-8	C6H15N	101.2	6.09E-06
U407	Dithiocarbamates (total)	137-30-4	C5H10NS2	171.3	6.26E-06
U409	Thiophanate-methyl	23564-05-8	C12H14N4O4S2	342.4	4.02E-06
U410	Thiodicarb	59669-26-0	C10H18N4O4S3	354.5	4.11E-06
U411	Propoxur	114-26-1	C11H15NO3	209.3	5.02E-06

HANDBOOK OF CHEMICAL PROPERTY ESTIMATION METHODS

Environmental Behavior of Organic Compounds

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American Chemical Society,
Washington, DC
1990

Diffusion Coefficients in Air and Water 17-11

TABLE 17-3

Some Physical Properties of Air

M_A	28.97 g/mol
V_A	20.1 cm ³ /mol
e/k	78.6 K
σ_A	3.711 Å

Source: Jarvis and Lugg [6]. Values of e/k and σ_A obtained from Lennard-Jones 12-6 potential function.

TABLE 17-4

Atomic and Structural Diffusion Volume Increments^a
(cm³/mol)

	ΔV_B
C	16.5
H	1.98
O	5.48
N	(5.69)
Cl	(19.5)
S	(17.0)
Aromatic and heterocyclic rings	- 20.2

a. Values in parentheses are based upon few data points.

Source: Fuller, Schettler, and Giddings [4]. (Reprinted with permission from the American Chemical Society.)

TABLE 17-5

Additive Volume Increments for Calculating
LeBas Molar Volume, V'_B

Atom	Increment (cm ³ /mol)	Atom	Increment (cm ³ /mol)
C	14.8	Br	27.0
H	3.7	Cl	24.6
O (except as noted below)	7.4	F	8.7
In methyl esters and ethers	9.1	I	37.0
In ethyl esters and ethers	9.9	S	25.6
In higher esters and ethers	11.0	Ring	
In acids	12.0	3-Membered	- 6.0
Joined to S, P, N	8.3	4-Membered	- 8.5
N		5-Membered	-11.5
Double bonded	15.6	6-Membered	-15.0
In primary amines	10.5	Naphthalene	-30.0
In secondary amines	12.0	Anthracene	-47.5

Source: Reid, et al. [17]. (Reprinted with permission from McGraw-Hill Book Co.)

17-20 Handbook of Chemical Property Estimation Methods

The following section describes the computation method of Hayduk and Laudie, which is a modification of the Othmer-Thakar equation. Further discussion of Scheibel's and Wilke and Chang's methods is not warranted, since they do not require unique input parameters and are not quite as accurate as the Hayduk and Laudie method.

17-7 RECOMMENDED METHOD OF ESTIMATING D_{BW} FOR ORGANIC LIQUIDS AND VAPORS

The Hayduk and Laudie method for estimating the diffusion coefficient of organic compounds in water is comparable to the Wilke-Chang and Scheibel methods in terms of input parameters, accuracy, and general applicability to a wide range of compounds. This method has been recommended by Reid *et al.* [17] because its computation is slightly easier than that required by the latter two methods, and because it has been validated by a more recently compiled data base.

The Hayduk and Laudie method is based on the following equation:

$$D_{BW} = \frac{13.26 \times 10^{-5}}{\eta_w^{1.14} V_B^{0.589}} \quad (17-24)$$

Unlike the previously mentioned correlations, Eq. 17-24 does not include a temperature term, since temperature dependence is incorporated in the viscosity term [5]. Hayduk and Laudie report an average absolute error of 5.8% for 87 solutes diffusing into water, using the LeBas method for molal volume, as is recommended below.

Basic Steps

- (1) From Table 17-7 obtain the viscosity of water, η_w , at the desired temperature.
- (2) Calculate V_B' by the LeBas method, summing the applicable incremental values listed in Table 17-5.
- (3) Substitute the above values of η_w and V_B' in Eq. 17-24 and compute the diffusion coefficient.

Example 17-5 Compute the diffusion coefficient of aniline ($C_6H_5NH_2$) in water at 25°C.

- (1) From Table 17-7, η_w at 25°C = 0.8904 cp

TABLE 17-7

Viscosity of Water at Various Temperatures

°C	η_W (cp)	°C	η_W (cp)	°C	η_W (cp)
0	1.787	11	1.271	21	0.9779
1	1.728	12	1.235	22	0.9548
2	1.671	13	1.202	23	0.9325
3	1.618	14	1.169	24	0.9111
4	1.567	15	1.139	25	0.8904
5	1.519	16	1.109	26	0.8705
6	1.472	17	1.081	27	0.8513
7	1.428	18	1.053	28	0.8327
8	1.386	19	1.027	29	0.8148
9	1.346	20	1.002	30	0.7975
10	1.307				

Source: Weast and Astle [26].

(2) From Table 17-5,

$$\begin{aligned}
 \phi(C) &= 6(14.8) = 88.8 \\
 \phi(H) &= 7(3.7) = 25.9 \\
 \phi(\text{N-primary amine}) &= 10.5 \\
 \phi(6\text{-membered ring}) &= -15.0 \\
 V_B' &= 110.2 \text{ cm}^3/\text{mol}
 \end{aligned}$$

(3) From Eq. 17-24,

$$D_{BW} = \frac{13.26 \times 10^{-5}}{(0.8904)^{1.14} (110.2)^{0.589}} = 0.95 \times 10^{-5} \text{ cm}^2/\text{s}$$

This estimate deviates -10% from the literature value of $1.05 \times 10^{-5} \text{ cm}^2/\text{s}$ [5].

Example 17-6 Compute the diffusion coefficient of ethyl acetate ($\text{CH}_3\text{CO}_2\text{CH}_2\text{CH}_3$) in water at 25°C.

(1) From Table 17-7, η_W at 25°C = 0.8904 cp

(2) From Table 17-5,

$$\begin{aligned}
 \phi(C) &= 4(14.8) = 59.2 \\
 \phi(H) &= 8(3.7) = 29.6 \\
 \phi(O) &= 2(9.9) = 19.8 \\
 V_B' &= 108.6 \text{ cm}^3/\text{mol}
 \end{aligned}$$

Tom Matheson (HARPO-8J)



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

SEP 28 1995

REPLY TO THE ATTENTION OF:

R-19J

Mr. F. G. Nicar
General Manager
Chemical Waste Management, Inc.
3956 State Route 412
Vickery, Ohio 43464

Re: Modification of PCB Disposal
Approval dated July 22, 1988

Dear Mr. Nicar:

The March 16, 1994 request for revision of the July 22, 1988 Approval (Approval) for disposal of Polychlorinated Biphenyls (PCBs) has been reviewed by the United States Environmental Protection Agency (U.S. EPA), Region 5. The March 17, 1995 request for modifications to Closure Plans dated May 8, 1985 (Plan) and Responses to Closure Conditions dated July, 1988 (Response) have also been reviewed. The request was accompanied by communications dating thru July 20, 1995. The review included an evaluation of analytical methodologies for "chlorinated organics" and of groundwater around the PCB disposal cell. It has been determined that the Total Organic Halides (TOX) test is not a required test for Chlorinated Organics and that the U.S.EPA's SW-846 Method 8240 and Method 624 are both acceptable.

The U.S. EPA finds that the landfill disposal cell has been closed. Groundwater monitoring shows that the PCB disposal cell does not now present an unreasonable risk of injury to health or the environment from PCBs. Therefore, pursuant to regulations at 40 CFR 762.75(b)(6)(C) calling for, at minimum, semi-annual monitoring of the surface waters, the semi-annual detection monitoring frequency is acceptable for all water. Monthly production volumes of leachate and groundwater from the capillary barrier drain are still required.

In addition, well L-19A is an acceptable replacement for well L-19 because of the presence of traces of localized interfering contaminants not related to PCB disposal.

The modifications to the July 22, 1988 PCB Disposal Approval conditions are, respectively:

6) GROUNDWATER MONITORING:

Groundwater must be sampled for pH, specific conductance, chlorinated organics, and PCBs at least semi-annually at wells MW-14R, MW-15R, MW-16R, MW-20R, MW-30R, MW-36R, the Capillary Barrier Drain and at up-gradient wells MW-24R and MW-37R, as depicted in the 1994 TSCA Annual Report. If yearly flow direction changes, Chemical Waste Management, Inc. must annually re-evaluate the monitoring program and adjust it to suit the requirement to monitor groundwater upstream and downstream.

7) HYDRAULIC HEAD MONITORING:

At least semi-annually dual observation water elevation monitoring must be conducted for wells MW-14R, MW-15R, MW-16R, MW-20-R, MW-30R, MW-36R, MW-24R and MW-37R and single observation water elevation monitoring must be conducted for wells L-14, T-14, L-15, L-16, L-17, T-17, L-18, T-18, L-19A, T-19, L-20, L-25, L-26, L-27, T-27, L-28, L-30 and up-gradient wells T-24, T-37, and L-39, as depicted in the 1994 TSCA Annual Report.

Dual observation monitoring is defined as determining water elevation twice; once in a recovered aquifer before pumping and once in the drawn down aquifer after pumping. If yearly flow direction changes significantly, Chemical Waste Management, Inc. must annually re-evaluate the monitoring program and adjust it to suit the requirement to monitor groundwater upstream and downstream.

8) SURFACE WATER MONITORING:

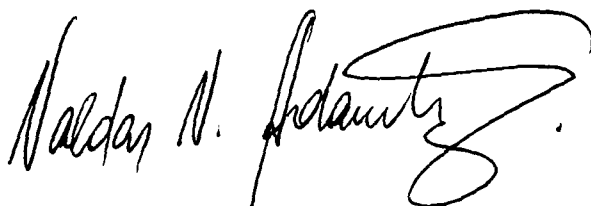
Surface water must be sampled for pH, specific conductance, chlorinated organics, and PCBs, at least semi-annually as long as PCBs are in the landfill disposal cell. The sampling must include Little Racoon Creek at location 1 (north of exit valve G1) and as depicted on drawing number 296, Figure 1, "Surface Water Sampling Stations," dated July 31, 1985, by Golder Associates, and in Meyers Ditch, 100 feet north of exit valve D1.

9) CAPILLARY BARRIER DRAIN MONITORING:

Fluids in the Capillary Barrier Drain must be sampled semi-annually for pH, specific conductance, PCBs and chlorinated organics. The volume of fluid collected from the capillary barrier drain must be determined and recorded monthly.

The approval has been updated to reflect these and other changes.
If you have any questions, please contact Stephen M. Johnson,
CPG, of my staff at (312) 886-1330.

Sincerely yours,

A handwritten signature in cursive script, appearing to read "Valdas Adamkus".

Valdas Adamkus
Regional Administrator

Enclosure

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5

IN THE MATTER OF:)	APPROVAL TO DISPOSE OF
CHEMICAL WASTE MANAGEMENT, INC.))	POLYCHLORINATED BIPHENYLS
VICKERY, OHIO)	
)	

AUTHORITY

This approval is issued pursuant to Section 6(e)(1) of the Toxic Substances Control Act (TSCA) of 1976, Public Law No. 94-469, and the Federal Polychlorinated Biphenyl (PCB) Regulations, 40 Code of Federal Regulations (CFR) Section (§) 761.75. Any and all information required to be maintained or submitted pursuant to this approval is not subject to the Paperwork Reduction Act of 1980, 44 U.S.C 3501 et seq., because it is information collected by the United States Environmental Protection Agency (U.S. EPA) from a specific individual or entity for the purpose of assuring compliance with this approval.

BACKGROUND

Section 6(e)(1)(A) of the Toxic Substances Control Act (TSCA) requires that U.S. EPA promulgate rules for the disposal of polychlorinated biphenyls (PCBs). The rules implementing Section 6(e)(1)(A) were published in the Federal Register of May 31, 1979 (44 FR 31514) and recodified in the Federal Register of May 6, 1982 (47 FR 19527). Those rules require, among other things, that various types of PCBs and PCB Articles be disposed of in U.S. EPA-approved landfills (40 CFR § 761.75), incinerators (40 CFR § 761.60) or by alternative methods (40 CFR § 761.60[e]) that demonstrate a level of performance equivalent to U.S. EPA-approved incinerators or high efficiency boilers. The May 31, 1979 Federal Register also designated Regional Administrators as the approval authority for PCB disposal facilities.

FINDINGS

1. Chemical Waste Management, Inc., (CWM) disposes of PCBs in a chemical waste landfill at their facility located at 3956 State Route 412, Vickery, Ohio.
2. CWM submitted information concerning the landfill dated September 13, 1984, November 1, 1984, March 12, 1985, April 29, 1985, May 8, 1985, May 23, 1985, May 31, 1985, June 1, 1985, June 27, 1985, August 5, 1985, August 8, 1985, November 20, 1985, January 13, 1986, and October 2, 1987. Together, the information constitutes a PCB chemical waste landfill disposal application under TSCA, 40 CFR § 761.75.

CWM submitted information requesting a modification to the approval letter of July 22, 1988. The response included a review of the following documents:

July 22, 1988: TSCA approval letter

July 24, 1990: Investigation at Well L-19

March 25, 1992: Letter report on L-19 monitoring well chemical contamination and replacement

August 4, 1993: Ohio Closure Certification letter

March 16, 1994: Request for modification to TSCA approval letter of 1988

November 22, 1994: Corrected Monitoring Well Depths

March 17, 1995: Request for TSCA approval modification

April 5, 1995: Request for termination of Consent Agreement and Final Order for TSCA/RCRA issues

May 5, 1995: Supporting hydrogeologic information

May 9, 1995: 1985 CAFO and 1990 Consent Decree

June 22, 1995: 1994 TSCA Annual Report

June 27, 1995: Unmanifested waste memo from USEPA OPPTS

July 3, 1995: USEPA response to termination of Consent Agreement and Final Order for TSCA/RCRA issues

July 20, 1995: Revision of March 17, 1995 request to change monitoring plan and additional information

3. The Chemical waste landfill design features include a groundwater diversion/barrier drain, primary and secondary leachate collection systems, a bottom liner system (including two 60 mil synthetic liners and a 3 foot secondary clay liner), and a final cover system which includes seeded and fertilized topsoil, a recompacted clay liner, and 40 mil synthetic liner. The landfill configuration consists of a cell 900 feet long by 600 feet wide which can accommodate up to 410,000 cubic yards of PCB contaminated material.
4. There is a large truck wash station on the property that is supplied by a local water well developed in the bedrock aquifer. Daily drawdown from that aquifer is often sufficient to affect the detection wellpoint system water levels observed in that aquifer.

5. Collection of groundwater from the groundwater diversion/barrier drain produces an inward hydraulic gradient immediately below the landfill.
6. The chemical waste landfill, as designed, will comply with all applicable requirements of 40 CFR § 761.75, and will not present an unreasonable risk of injury to human health or the environment from PCBs.

CONDITIONS OF APPROVAL

7. APPLICABILITY:

This authorization applies only to the submitted secure landfill design dated September 13, 1984, November 1, 1984, March 12, 1985, April 29, 1985, May 8, 1985, May 23, 1985, May 31, 1985, June 1, 1985, June 27, 1985, August 5, 1985, August 8, 1985, November 20, 1985, January 13, 1986 and October 2, 1987, under TSCA 40 CFR § 761.75, and to the one time disposal of PCB contaminated material generated by the remedial actions required pursuant to the April 5, 1985 Consent Decree between CWM and U.S. EPA, and the May 22, 1984 Consent Decree between CWM and the Ohio Environmental Protection Agency (OEPA).

8. RCRA COORDINATION:

In order for this approval to be effective, CWM must comply with all provisions of the RCRA closure approval letter dated March 30, 1988, and the August 4, 1993 Closure Certification letter from the State of Ohio.

9. MATERIALS AUTHORIZED FOR DISPOSAL:

Only materials generated by the on-site remediation program may be placed in the on-site secure landfill. Acceptance and placement of any other toxic or hazardous wastes from other sites within the landfill authorized by this document, either within or outside CWM, are strictly prohibited.

10. FUTURE USE OF SITE UNDER TSCA:

The future use, under TSCA, of CWM's Vickery site for the land disposal of PCBs obtained from outside of the Vickery facility is strictly prohibited.

11. FINANCIAL ASSURANCE:

The CWM Vickery facility is presently authorized under RCRA Part 265 (Interim Status). As such, the monetary guarantee for maintenance, monitoring, and any required remediation of

the TSCA chemical waste landfill authorized through this document would be secured through the financial requirements under subpart H of RCRA, 40 CFR Part 265.

12. GROUNDWATER MONITORING:

Groundwater must be sampled for pH, specific conductance, chlorinated organics, and PCBs at least semi-annually at wells MW-14R, MW-15R, MW-16R, MW-20R, MW-30R, MW-36R, the Capillary Barrier Drain and at up-gradient wells MW-24R and MW-37R as depicted in the 1994 TSCA Annual Report and in drawing number 302, Figure 1, "Proposed Monitoring Well Locations and Screen Intervals", dated October 17, 1985, by Golder Associates. If yearly flow direction changes, Chemical Waste Management, Inc. must annually re-evaluate the monitoring program and adjust it to suit the requirement to monitor groundwater upstream and downstream.

13. HYDRAULIC HEAD MONITORING:

At least semi-annually dual observation water elevation monitoring must be conducted for wells MW-14R, MW-15R, MW-16R, MW-20R, MW-30R, MW-36R, MW-24R and MW-37R and single observation water elevation monitoring must be conducted for wells L-14, T-14, L-15, L-16, L-17, T-17, L-18, T-18, L-19A, T-19, L-20, L-25, L-26, L-27, T-27, L-28, L-30 and up-gradient wells T-24, T-37, and L-39 as depicted in the 1994 TSCA Annual Report.

Dual observation monitoring is defined as determining water elevation twice; once in a recovered aquifer before pumping and once in the aquifer after routine pumping but before recovery. If yearly flow direction changes significantly, Chemical Waste Management must annually re-evaluate the monitoring program and adjust it to suit the requirement to monitor groundwater upstream and downstream.

14. SURFACE WATER MONITORING:

Surface water must be sampled for pH, specific conductance, chlorinated organics, and PCBs, at least semi-annually as long as PCBs are in the landfill disposal cell. The sampling must include Little Racoon Creek at location 1 (north of exit valve G1) and as depicted on drawing number 296, Figure 1, "Surface Water Sampling Stations", dated July 31, 1985, by Golder Associates, and in Meyers Ditch, 100 feet north of exit valve D1.

15. CAPILLARY BARRIER DRAIN MONITORING:

Fluids in the Capillary Barrier Drain must be sampled semi-annually for pH, specific conductance, PCBs and chlorinated

organics. The volume of fluid collected from the capillary barrier drain must be determined and recorded monthly.

16. LEACHATE MONITORING AND CHARACTERIZATION:

CWM must conduct monthly monitoring of the quantity and physiochemical characteristics of the leachate produced in the primary and secondary leachate collection systems. All semi-annual samples must be analyzed for pH, PCBs, specific conductance and chlorinated organics. The hydraulic Head within the primary and/or secondary leachate collection systems must not be allowed to exceed 1 foot.

17. LEACHATE HANDLING, STORAGE AND DISPOSAL:

Leachate removed after placement of the interim soil cover from the primary and/or secondary leachate collection systems is defined as "PCB leachate" until a representative sample, upon analysis, is found to contain a PCB concentration less than 50 ppm measured on a wet weight basis. A representative leachate sample is defined as a sample containing an appropriate percentage of all phases present in the leachate. Waste water from TSCA cells found to be less than 50 ppm but greater than 1 ppm must be handled and stored as prescribed under TSCA and may be disposed of as follows:

- in accordance with 40 CFR § 761.60, or
- by means of the on-site, permitted UIC wells after testing or filtration shows PCB concentrations below 50.0 ppm.

18. REGIONAL NOTIFICATION AND REMEDIATION:

CWM must notify the Regional Administrator in writing within seven days of receipt of any PCB analytical results from any groundwater monitoring, capillary barrier drain, or stream sampling location in which the quantity of PCBs exceeds 0.5 part per billion. Upon verification, the U.S. EPA must determine an appropriate response, if any, and may require a complete sampling and monitoring program capable of determining the source and extent of the PCB release. If found, CWM must undertake the control and remediation of the PCB source. A control and remediation plan reviewing the proposed techniques for countering the further spread of PCB materials, and the feasibility of their containment and/or removal, must be prepared. CWM must submit the control and remediation plan to the Regional Administrator of Region 5, and the State of Ohio, for selection of the control alternative to be implemented.

19. SAFETY AND HEALTH:

Any accident or lost-time personal injury occurring as a result of PCB land disposal must be reported in writing to the Regional Administrator of Region 5 by the end of the next business day. CWM must take all necessary precautionary measures to ensure that the operation of the landfill, approved under this authorization, is in compliance with the applicable safety and health standards, as required by Federal, State and local regulations and ordinances.

20. FACILITY SECURITY:

The CWM chemical waste landfill approved through this authorization must be secured as provided under 40 CFR § 761.75(b)(9).

21. SITE ACCESS:

CWM must allow U.S. EPA employees, contractors, or its agents access to inspect the chemical waste landfill, records and/or to collect samples at any reasonable time. This in no way limits U.S. EPA authority under TSCA, RCRA, or any other Federal statute administered by U.S. EPA.

22. OWNERSHIP TRANSFER:

Should CWM transfer the ownership of the chemical waste landfill approved through this authorization, CWM must comply with the provisions of 40 CFR § 761.75(c)(7).

23. AGENCY APPROVALS/PERMITS:

Prior to commencing operations, CWM must obtain any necessary Federal, State or local permits or approvals. During the course of operations, CWM must comply with all conditions and requirements of such permits or approvals.

24. PERMIT SEVERABILITY:

The conditions of this approval are severable, and if any provision of this approval or any application of any provision is held invalid by a court of competent jurisdiction, the remainder of this approval must not be affected thereby.

25. ANNUAL REPORT:

An annual report must be sent to the Regional Administrator which will include the following information:

- a. all analytical data from the groundwater, surface water, primary leachate collection system, secondary leachate collection system, capillary barrier drain and stream sampling locations;
- b. volume of leachate produced monthly in the primary and secondary leachate collection systems;
- c. the treatment method and final disposal destination of all leachate obtained from the primary and/or secondary leachate collection systems that is greater than 1 ppm PCBs;
- d. volume of fluids produced monthly in the capillary barrier drain;
- e. water table map showing groundwater potentiometric contours based on groundwater levels taken during each sampling event at each sampling location; and
- f. such additional information as may be required by Order of the Regional Administrator.

The annual report will be due no later than July 1, for the year ending December 31. In addition, CWM must comply with all record generation and retention and reporting requirements as specified in 40 CFR §§ 761.180(d) and (f).

WAIVERS

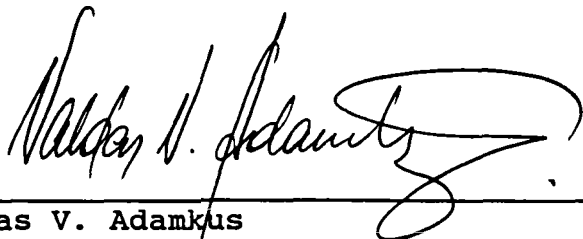
26. 40 CFR § 761.75(b)(3) states that "the bottom of the landfill liner system or natural in-place soil barrier must be at least 50 feet from the historical high water table." While the hydrologic conditions of the Chemical Waste Management, Inc. site do not satisfy this requirement, the landfill will possess a secondary leachate collection system (leak detection system), groundwater diversion/barrier drain and an extensive system of monitoring wells. These systems will prevent the bottom of the landfill from being in the saturated zone and allow early detection should the facility require remediation.
27. 40 CFR §§ 761.75(b)(1)(iv) and (v), requires the soils at the landfill site possess a Liquid Limit value greater than 30 and a Plasticity Index rating greater than 15. The CWM site soils have a Liquid Limit between 25 and 45 (32 average) and a Plasticity Index between 8 and 22 (12 average). While the soils marginally conform to these requirements, the low vertical permeability of the site soils as well as the design of the bottom liner system (two 60 mil synthetic liners and a minimum 3 foot clay liner), will compensate for these site inadequacies.

APPROVAL

28. Approval to dispose of PCBs is hereby granted to Chemical Waste Management, Inc., of Oak Brook, Illinois, subject to the conditions and terms of this approval document and consistent with the materials and data included in the application filed by the company. U.S. EPA, Region 5, reserves the right to impose additional conditions when it has reason to believe that the continued operation of the facility presents an unreasonable risk to public health or the environment.

Any departure from the conditions of this approval or the terms expressed in the application must receive prior written authorization of the Regional Administrator. In this context, "application" must be defined as all data and materials which have been received by this Agency from CWM regarding their proposed chemical waste landfill in Vickery, Ohio.

29. This approval to dispose of PCBs does not relieve CWM of the responsibility to comply with all applicable Federal, State and local regulations. Violation of any applicable Federal regulations will be subject to enforcement action, which may include termination of this approval. This approval may be rescinded at any time for failure to comply with the terms and conditions herein, or for any other reasons which the Regional Administrator deems necessary to protect the public health and the environment.
30. Chemical Waste Management of Oak Brook, Illinois, must be responsible for the actions of any authorized landfill operator, and must assume full responsibility for compliance with all applicable Federal, State and local regulations including, but not limited to, any advance or emergency notification and accident requirements.



Valdas V. Adamkus
Regional Administrator
U.S. Environmental Protection Agency
Region 5

9/25/95

Date

BREWER B.1.1

O:
CG:

WMD
RA/RF

CHEMICAL WASTE MANAGEMENT, INC.

3956 STATE ROUTE 412 • VICKERY, OHIO 43464 • 419-547-7791 • FAX: 419-547-6144

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
P 289 177 627

RECEIVED

AUG 9 1995

U.S. ENVIRONMENTAL AGENCY
OFFICE OF REGIONAL ADMINISTRATION

August 7, 1995

Mr. Valdus Adamkus
Regional Administrator
U.S. Environmental Protection Agency Region V
77 W. Jackson Blvd.
Chicago, IL 60609

Dear Mr. Adamkus:

Chemical Waste Management, Inc. (CWM) at Vickery, Ohio requested a permit modification for the addition of the newly regulated waste codes identified in 60 FR 7824-7859 (February 9, 1995 Federal Register). A list of these codes is attached.

Our EPA ID # is OHD 020 273 819. This request is to allow treatment (T01) and storage (S02) in tanks, filtration (T04) and injection well disposal (D79). Prior to the issuance of the new regulations, these wastes were possibly managed by the facility in the current treatment and storage operations as part of a scrubber water stream or some other stream. In addition, CWM requests that these codes be approved for storage in containers (S01).

The addition of these codes will not require any additional or different management practices. The wastes will be similar to those wastes currently approved. The wastes will meet all acceptance criteria in our currently approved Waste Analysis Plan. Therefore, no new tanks or tank system designs are required. No new fire protection is required.

There will be no addition or change in the treatment process. Blending of wastes will still occur in the tanks. Filtration of the waste stream will occur in the existing, permitted filtration operations.

Container storage will be performed as previously approved in the USEPA Hazardous Waste Management Permit issued October 24, 1994. There will be no additional units

Mr. Valdis Adamkus
Page 2
August 7, 1995

or changes in treatment processes or management standards.

Based on this information, this modification appears to meet the criteria of F.4.b. and G.5.d. of Appendix I to 40 CFR 270.42 - Classification of Permit Modifications.

As required by 40 CFR 270.42(a)(1)(ii), CWM will send notification of the modification to all persons on the facility mailing list, as maintained by the Director and all appropriate State and local government. These notifications will be made within 90 days after receipt of the permit modification from USEPA.

If you have any questions, please contact Steve Lonneman at (419) 547-7791, ext. 317.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sincerely,



F.G. Nicari
General Manager

FGN/SCL/

Attachment

cc: Thomas W. Matheson, USEPA Region V, HRP-8J
Agency Correspondence File

NEWLY LISTED WASTE CODES
- 60 FR 7824-7859

Revised 3/2/95

EPA HAZARDOUS WASTE NO. -----	EPA HAZARDOUS WASTE NO. -----	EPA HAZARDOUS WASTE NO. -----
U280	K156	U401
U364	K157	U402
U365	K158	U403
U366	K159	U404
U367	K160	U407
U372	K161	U409
U373	P127	U410
U375	P128	U411
U376	P185	
U377	P188	
U378	P189	
U379	P190	
U381	P191	
U382	P192	
U383	P194	
U384	P196	
U385	P197	
U386	P198	
U387	P199	
U389	P201	
U390	P202	
U391	P203	
U392	P204	
U393	P205	
U394	U271	
U395	U277	
U396	U278	
U400	U279	

CHEMICAL WASTE MANAGEMENT, INC.

3956 STATE ROUTE 412 • VICKERY, OHIO 43464 • 419-547-7791 • FAX: 419-547-6144

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
P 228 284 836

March 2, 1995

Mr. Valduš Adamkus
Regional Administrator
U.S. Environmental Protection Agency Region V
77 W. Jackson Blvd.
Chicago, IL 60609

Dear Mr. Adamkus:

On February 24, 1995, Chemical Waste Management, Inc. (CWM) at Vickery, Ohio requested a permit modification for the addition of the newly regulated waste codes identified in 60 FR 7824-7859 (February 9, 1995 Federal Register). A list of these codes was attached. The attached list did not contain 6 waste codes that were included in the new list. Those codes are P127, P128, P199, U279, U404 and U411. Attached to this letter is a revised list that includes these codes. CWM requests this list be used in replacement of the list submitted on February 24.

Our EPA ID # is OHD 020 273 819. This request is to allow treatment (T01) and storage (S02) in tanks, filtration (T04) and injection well disposal (D79). Prior to the issuance of the new regulations, these wastes were possibly managed by the facility in the current treatment and storage operations as part of a scrubber water stream or some other stream. In addition, CWM requests that these codes be approved for storage in containers (S01).

The addition of these codes will not require any additional or different management practices. The wastes will be similar to those wastes currently approved. The wastes will meet all acceptance criteria in our currently approved Waste Analysis Plan. Therefore, no new tanks or tank system designs are required. No new fire protection is required.

There will be no addition or change in the treatment process. Blending of wastes will still occur in the tanks. Filtration of the waste stream will occur in the existing,

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MAR 13 1995

OFFICE OF RCRA
WASTE MANAGEMENT DIVISION
EPA REGION V

Mr. Valdas Adamkus
Page 2
March 2, 1995

permitted filtration operations.

Container storage will be performed as previously approved in the USEPA Hazardous Waste Management Permit issued October 24, 1994. There will be no additional units or changes in treatment processes or management standards.

Based on this information, this modification appears to meet the criteria of F.4.b. and G.5.d. of Appendix I to 40 CFR 270.42 - Classification of Permit Modifications.

As required by 40 CFR 270.42(a)(1)(ii), CWM will send notification of the modification to all persons on the facility mailing list, as maintained by the Director and all appropriate State and local government. These notifications will be made within 90 days after receipt of the permit modification from USEPA.

If you have any questions, please contact Steve Lonneman at (419) 547-7791, ext. 317.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sincerely,



F.G. Nicar
General Manager

FGN/SCL/

Attachment

Mr. Valdas Adamkus

Page 3

March 2, 1995

cc: Thomas W. Matheson, USEPA Region V, HRP-8J
Agency Correspondence File

NEWLY LISTED WASTE CODES
- 60 FR 7824-7859

Revised 3/2/95

EPA HAZARDOUS WASTE NO. -----	EPA HAZARDOUS WASTE NO. -----	EPA HAZARDOUS WASTE NO. -----
U280	K156	U401
U364	K157	U402
U365	K158	U403
U366	K159	U404
U367	K160	U407
U372	K161	U409
U373	P127	U410
U375	P128	U411
U376	P185	
U377	P188	
U378	P189	
U379	P190	
U381	P191	
U382	P192	
U383	P194	
U384	P196	
U385	P197	
U386	P198	
U387	P199	
U389	P201	
U390	P202	
U391	P203	
U392	P204	
U393	P205	
U394	U271	
U395	U277	
U396	U278	
U400	U279	

CHEMICAL WASTE MANAGEMENT, INC.

3956 STATE ROUTE 412 • VICKERY, OHIO 43464 • 419-547-7791 • FAX: 419-547-6144

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
P 228 284 835

February 24, 1995

Mr. Valdus Adamkus
Regional Administrator
U.S. Environmental Protection Agency Region V
77 W. Jackson Blvd.
Chicago, IL 60609

Dear Mr. Adamkus:

Chemical Waste Management, Inc. (CWM) at Vickery, Ohio requests a permit modification for the addition of the newly regulated waste codes identified in 60 FR 7824-7859 (February 9, 1995 Federal Register). A list of these codes is attached. Our EPA ID # is OHD 020 273 819. This request is to allow treatment (T01) and storage (S02) in tanks, filtration (T04) and injection well disposal (D79). Prior to the issuance of the new regulations, these wastes were possibly managed by the facility in the current treatment and storage operations as part of a scrubber water stream or some other stream. In addition, CWM requests that these codes be approved for storage in containers (S01).

The addition of these codes will not require any additional or different management practices. The wastes will be similar to those wastes currently approved. The wastes will meet all acceptance criteria in our currently approved Waste Analysis Plan. Therefore, no new tanks or tank system designs are required. No new fire protection is required.

There will be no addition or change in the treatment process. Blending of wastes will still occur in the tanks. Filtration of the waste stream will occur in the existing, permitted filtration operations.

Container storage will be performed as previously approved in the USEPA Hazardous Waste Management Permit issued October 24, 1994. There will be no additional units or changes in treatment processes or management standards.

RECEIVED
MAR 23 1995

OFFICE OF RCRA
WASTE MANAGEMENT DIVISION
EPA REGION V

Mr. Valdas Adamkus

Page 2

February 24, 1995

Based on this information, this modification appears to meet the criteria of F.4.b. and G.5.d. of Appendix I to 40 CFR 270.42 - Classification of Permit Modifications.

As required by 40 CFR 270.42(a)(1)(ii), CWM will send notification of the modification to all persons on the facility mailing list, as maintained by the Director and all appropriate State and local government. These notifications will be made within 90 days after receipt of the permit modification from USEPA.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sincerely,



F.G. Nicari

General Manager

FGN/SCL/

Attachment

cc: Thomas W. Matheson, USEPA Region V, HRP-8J
Agency Correspondence File

NEWLY LISTED WASTE CODES - 60 FR 7824-7859

EPA Hazardous Waste No.

K156

K157

K158

K159

K160

K161

P185

P188

P189

P190

P191

P192

P194

P196

P197

P198

P201

P202

P203

P204

P205

U271

U277

U278

U280

U364

U365

U366

U367

NEWLY LISTED WASTE CODES - 60 FR 7824-7859

EPA Hazardous Waste No.

U372

U373

U375

U376

U377

U378

U379

U381

U382

U383

U384

U385

U386

U387

U389

U390

U391

U392

U393

U394

U395

U396

U400

U401

U402

U403

U407

U409

U410

CHEMICAL WASTE MANAGEMENT, INC.

3956 STATE ROUTE 412 • VICKERY, OHIO 43464 • 419-547-7791 • FAX: 419-547-6144

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
P 228 284 902

January 31, 1995

RECEIVED

FEB 08 1995

OFFICE OF RCRA
WASTE MANAGEMENT DIVISION
EPA, REGION V

Mr. Valdus Adamkus
Regional Administrator
U.S. Environmental Protection Agency Region V
77 W. Jackson Blvd.
Chicago, IL 60609

Dear Mr. Adamkus:

Chemical Waste Management, Inc (CWM) at Vickery, Ohio requests a permit modification for the addition of waste codes F032, F034 and F035. Our EPA ID # is OHD 020 273 819. This request is to allow treatment (T01) and storage (S02) in tanks, filtration (T04) and injection well disposal (D79). Prior to the issuance of the Part B Permit, these waste codes were managed by the facility in the current treatment and storage operations. In addition, CWM requests that these codes be approved for storage in containers (S01).

The addition of these codes will not require any additional or different management practices. The wastes will be similar to those wastes currently approved. The waste will meet all acceptance criteria in our currently approved Waste Analysis Plan. Therefore, no new tanks or tank system designs are required. No new fire protection is required.

There will be no addition or change in the treatment process. Blending of wastes will still occur in the tanks. Filtration of the waste stream will occur in the existing, permitted filtration operations. Prior to the issuance of the Part B permit, the facility did manage these waste codes and therefore have previously managed these waste codes.

Container storage will be performed as previously approved in the USEPA Hazardous Waste Management Permit issued October 24, 1994. There will be no additional units or changes in treatment processes or management standards. The facility has managed these waste codes previously.

Mr. Valdas Adamkus

Page 2

January 31, 1995

Based on this information, this modification appears to meet the criteria of F.4.b. and G.5.d. of Appendix I to 40 CFR 270.42 - Classification of Permit Modifications.

As required by 40 CFR 270.42(a)(1)(ii), CWM will send notification of the modification to all persons on the facility mailing list, as maintained by the Director and all appropriate State and local government. These notifications will be made within 90 days after receipt of the permit modification from USEPA.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sincerely,



F.G. Nicar

General Manager

FGN/SCL/

cc: **Thomas W. Matheson**, USEPA Region V, HRP-8J
Agency Correspondence File

CHEMICAL WASTE MANAGEMENT, INC.

3956 STATE ROUTE 412 • VICKERY, OHIO 43464 • 419-547-7791 • FAX: 419-547-6144

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
P 228 284 903

January 31, 1995

Mr. Valdus Adamkus
Regional Administrator
U.S. Environmental Protection Agency Region V
77 W. Jackson Blvd.
Chicago, IL 60609

RECEIVED
FEB - 6 1995
U.S. EPA REGION 5
OFFICE OF REGIONAL ADMINISTRATOR

Dear Mr. Adamkus:

Chemical Waste Management, Inc (CWM) at Vickery, Ohio requests a permit modification to recognize the new Waste Analysis Plan dated October 25, 1994. A copy of the plan is attached.

This plan was necessitated due to Ohio EPA action of issuance of UIC permits on July 5, 1994. The UIC permits require a UIC Waste Analysis Plan (UIC-WAP). The Ohio EPA requested that this UIC-WAP be a separate, stand alone plan from the RCRA Waste Analysis Plan. Therefore, the RCRA Waste Analysis Plan was revised to remove UIC testing.

Based on this information, this modification appears to meet the criteria of B.2.a. Appendix I to 40 CFR 270.42 - Classification of Permit Modifications.

As required by 40 CFR 270.42(a)(1)(ii), CWM will send notification of the modification to all persons on the facility mailing list, as maintained by the Director and all appropriate State and local government.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is to the best of my

Mr. Valdas Adamkus

Page 2

January 31, 1995

knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sincerely,



F.G. Nicar

General Manager

FGN/SCL/

Attachment

cc: Thomas W. Matheson, USEPA Region V, HRP-8J
Agency Correspondence File



Chemical Waste Management, Inc.

3956 State Route 412
Vickery, Ohio 43464
419/547-7791

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
P 251 915 124

OH 020

273

819

RECEIVED
JAN 10 1991

U.S. EPA, REGION V
WASTE MANAGEMENT DIVISION
OFFICE OF THE DIRECTOR

January 7, 1991

Mr. David A. Ullrich
U. S. Environmental Protection Agency
Region V
230 South Dearborn Street
Chicago, IL 60604

Dear Mr. Ullrich:

Chemical Waste Management - Vickery, Ohio, is in receipt of your letter dated December 19, 1990, approving the addition of the waste codes newly regulated by the Toxicity Characteristic rule. It was stated in the approval letter that CWM must modify the Part B Permit application.

This letter is to inform you that the revised pages of the Part A have been sent to the Ohio EPA to be incorporated into the Part B.

Thank you for the approval and the attention to inform us of the additional requirement. Should you have any questions or comments in this matter, please contact Jay Skabo at 419-547-7791.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sincerely,

CHEMICAL WASTE MANAGEMENT, INC.

F. G. Nicar

Fred G. Nicar
General Manager

FGN/JWS/tr

324-38

Mr. David A. Ullrich
U. S. Environmental Protection Agency
January 7, 1991
Page 2

cc: Chuck Hull, OEPA
Bob Heitman
Steve Lonneman
Agency Correspondence File



Chemical Waste Management, Inc.
3956 Supto Rd. 412
Victory, Ohio 43401
419 547-7791

June 23, 1986

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
P 443 911 840

Mr. James Brossman
United States Environmental Protection Agency
Region V
230 South Dearborn Street
Chicago, Illinois 60604

RE: Modification of Filtration System

Dear Mr. Brossman:

This letter is to notify the United States Environmental Protection Agency (USEPA) that, Chemical Waste Management, Inc., (CWM) is going to modify the filtration system for the disposal wells. The modification will not increase the filtration capacity at the facility as submitted in the September 2, 1985 "Part A" revision.

It is CWM's opinion that a change in the filtration system which does not increase the filtration capacity or change the product quantity does not require agency action.

If you have any comments regarding the above please feel free to contact me.

Sincerely,

CHEMICAL WASTE MANAGEMENT, INC.

Steve Bowe
Environmental Manager

SB/kb

cc/Tom Carlisle, OEPA

RECEIVED

JUN 26 1986

U.S. EPA, REGION V
WASTE MANAGEMENT DIVISION
HAZARDOUS WASTE ENFORCEMENT BRANCH

RECEIVED

JUL 01 1986

U.S. EPA, REGION V



Chemical Waste Management, Inc.
555 Metro Place North Suite 525
Dublin, Ohio 43017
614/766-1100

September 21, 1984

RECEIVED

Certified Mail
Return Receipt Requested

P 590 331 238

SEP 25 1984
U.S. ENVIRONMENTAL
WASTE MANAGEMENT DIVISION
OFFICE OF THE DIRECTOR

Mr. Basil G. Constantelos
Director, Waste Management Division
United States Environmental Protection Agency
230 South Dearborn Street
Chicago, Illinois 60604

Re: OHD020273819 G, TSD, VIC, PA
Chemical Waste Management, Inc.
Vickery, Ohio Facility

Dear Mr. Constantelos:

In accordance with Paragraph 20 of the Consent Decree between Chemical Waste Management, Inc. ("CWM") and the Ohio Environmental Protection Agency, CWM is submitting to U.S. EPA an amended Part A. This submittal also serves as a permit modification made to OEPA today.

CWM would appreciate prompt approval of this request in order that we could comply with the Consent Decree in a timely manner.

Questions should be directed to Kathy Trent at (614) 766-1100 or Jeffrey Miller, our attorney (202) 462-5930.

Very truly yours,

George M. Simmons
Acting General Manager
Region Manager

KT:sh
Attachments

cc: Richard Shank, OEPA - Hand-Delivered
Mike Walker, USEPA - (P 590 331 239)

RECEIVED

SEP 27 1984
WMD-RAIU
EPA, REGION V

Please print or type in the unshaded areas only
(fill-in areas are spaced for elite type, i.e., 12 characters/inch)

Form Approved OMB No. 158-R0175

FORM 1 GENERAL		U.S. ENVIRONMENTAL PROTECTION AGENCY GENERAL INFORMATION Consolidated Permits Program (Read the "General Instructions" before starting.)		I. EPA I.D. NUMBER FOHDO20273819	
II. POLLUTANT CHARACTERISTICS		III. NAME OF FACILITY 1 SKIP CHEMICAL WASTE MANAGEMENT INC-VICKERY			
IV. FACILITY CONTACT A. NAME & TITLE (last, first, & title) 2 SIMMONS GEORGE ACTG GEN MAN		B. PHONE (area code & no.) 419 547 7791			
V. FACILITY MAILING ADDRESS A. STREET OR P.O. BOX 3 3956 STATE ROUTE 412		B. CITY OR TOWN 4 VICKERY		C. STATE OH	D. ZIP CODE 43464
VI. FACILITY LOCATION A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER 5 3956 STATE ROUTE 412		B. COUNTY NAME SANDUSKY COUNTY		C. CITY OR TOWN 6 VICKERY	D. STATE OH
		E. ZIP CODE 43464		F. COUNTY CODE 14	

EPA Form 3510-1 (6-80)

CONTINUE ON REVER:

Revision 0
9/20/84

CONTINUED FROM THE FRONT

VII. SIC CODES (4-digit, in order of priority)

A. FIRST				B. SECOND			
7	4	9	5	7			
(specify) Hazardous Waste Facility				(specify)			
C. THIRD				D. FOURTH			
7				7			
(specify)				(specify)			

VIII. OPERATOR INFORMATION

A. NAME										B. Is the name listed in Item VIII-A also the owner?	
CHEMICAL WASTE MANAGEMENT INC										<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
C. STATUS OF OPERATOR (Enter the appropriate letter into the answer box; if "Other", specify.)										D. PHONE (area code & no.)	
F - FEDERAL		M - PUBLIC (other than federal or state)		P - PRIVATE		S - STATE		O - OTHER (specify)		3 1 2 6 5 4 8 8 0 0	
E. STREET OR P.O. BOX											
3 0 0 3 BUTTERFIELD ROAD											
F. CITY OR TOWN					G. STATE		H. ZIP CODE		IX. INDIAN LAND		
OAK BROOK					IL		6 0 5 2 1		Is the facility located on Indian lands? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		

X. EXISTING ENVIRONMENTAL PERMITS

A. NPDES (Discharges to Surface Water)				D. PSD (Air Emissions from Proposed Sources)				*Air Permits have been applied for with CEPA for storage & treatment operations			
9 N ND 1 6 * B D				9 P AIR PERMITS							
B. UIC (Underground Injection of Fluids)				E. OTHER (specify)				Boiler 1 & 2			
9 U 2 1 N 0 0 0 1 6				9 0 3 7 2 0 0 1 0 5 (specify)							
C. RCRA (Hazardous Wastes)				E. OTHER (specify)				(specify)			
9 R 0 3 - 7 2 - 0 1 9 1				9 (specify)							

XI. MAP

Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in the map area. See instructions for precise requirements.

XII. NATURE OF BUSINESS (provide a brief description)

The Vickery Facility receives only aqueous wastes in bulk deliveries. Currently, non-odorous waste receipts are treated in surface impoundments before being filtered and deepwell injected. Odorous waste receipts are treated in an Odorous Waste Treatment Plant before being filtered and deepwell injected. CWM proposes to construct and operate an Integrated Aqueous Waste Treatment System which will treat all wastes received by the facility before they are filtered and deepwell injected. When this plant is put in operation, the facility's last two surface impoundments will be closed. The facility also has an Oil Reclamation Facility which is inactive.

XIII. CERTIFICATION (see instructions)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME & OFFICIAL TITLE (type or print)		B. SIGNATURE		C. DATE SIGNED	
Milo D. Harrison Senior Vice President				1/1/84	

COMMENTS FOR OFFICIAL USE ONLY

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Please print or type in the unshaded areas only
 11-in areas are spaced for elite type, i.e., 12 characters/inch

Form Approved OMB No. 158 S80004

FORM 3 RCRA		U.S. ENVIRONMENTAL PROTECTION AGENCY HAZARDOUS WASTE PERMIT APPLICATION Consolidated Permits Program <small>(This information is required under Section 3005 of RCRA.)</small>	I. EPA I.D. NUMBER <div style="border: 1px solid black; padding: 2px; display: inline-block;"> F O H D O 2 0 2 7 3 8 1 9 </div>						
FOR OFFICIAL USE ONLY									
APPLICATION APPROVED 		DATE RECEIVED (yr., mo., & day) <div style="display: flex; justify-content: space-between;"> yr. mo. day </div>							
II. FIRST OR REVISED APPLICATION Place an "X" in the appropriate box in A or B below (mark one box only) to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA I.D. Number, or if this is a revised application, enter your facility's EPA I.D. Number in Item I above.									
<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> A. FIRST APPLICATION (place an "X" below and provide the appropriate date) <input type="checkbox"/> 1. EXISTING FACILITY (See instructions for definition of "existing" facility. Complete item below.) <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div style="width: 20%;"> yr. mo. day </div> <div style="width: 80%;"> FOR EXISTING FACILITIES, PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (use the boxes to the left) </div> </div> </div> <div style="width: 48%;"> <input type="checkbox"/> 2. NEW FACILITY (Complete item below.) FOR NEW FACILITIES, PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR IS EXPECTED TO BEGIN <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div style="width: 20%;"> yr. mo. day </div> <div style="width: 80%;"> FOR NEW FACILITIES, PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR IS EXPECTED TO BEGIN </div> </div> </div> </div>									
B. REVISED APPLICATION (place an "X" below and complete Item I above) <input checked="" type="checkbox"/> 1. FACILITY HAS INTERIM STATUS <input type="checkbox"/> 2. FACILITY HAS A RCRA PERMIT									
III. PROCESSES - CODES AND DESIGN CAPACITIES									
A. PROCESS CODE - Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, then describe the process (including its design capacity) in the space provided on the form (Item III-C). B. PROCESS DESIGN CAPACITY - For each code entered in column A enter the capacity of the process. 1. AMOUNT - Enter the amount. 2. UNIT OF MEASURE - For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.									
<table border="0" style="width: 100%; font-size: small;"> <tr> <td style="width: 25%;"> PROCESS Storage: CONTAINER (barrel, drum, etc.) TANK WASTE PILE SURFACE IMPOUNDMENT Disposal: INJECTION WELL LANDFILL LAND APPLICATION OCEAN DISPOSAL SURFACE IMPOUNDMENT </td> <td style="width: 25%;"> PRO-CESS CODE S01 S02 S03 S04 D79 D80 D81 D82 D83 </td> <td style="width: 25%;"> APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY GALLONS OR LITERS GALLONS OR LITERS CUBIC YARDS OR CUBIC METERS GALLONS OR LITERS GALLONS OR LITERS ACRE-FEET (the volume that would cover one acre to a depth of one foot) OR HECTARE-METER ACRES OR HECTARES GALLONS PER DAY OR LITERS PER DAY GALLONS OR LITERS </td> <td style="width: 25%;"> PROCESS Treatment: TANK SURFACE IMPOUNDMENT INCINERATOR OTHER (Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Item III-C.) </td> <td style="width: 25%;"> PRO-CESS CODE T01 T02 T03 T04 </td> <td style="width: 25%;"> APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY GALLONS PER DAY OR LITERS PER DAY GALLONS PER DAY OR LITERS PER DAY TONS PER HOUR OR METRIC TONS PER HOUR GALLONS PER HOUR OR LITERS PER HOUR GALLONS PER DAY OR LITERS PER DAY </td> </tr> </table>				PROCESS Storage: CONTAINER (barrel, drum, etc.) TANK WASTE PILE SURFACE IMPOUNDMENT Disposal: INJECTION WELL LANDFILL LAND APPLICATION OCEAN DISPOSAL SURFACE IMPOUNDMENT	PRO-CESS CODE S01 S02 S03 S04 D79 D80 D81 D82 D83	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY GALLONS OR LITERS GALLONS OR LITERS CUBIC YARDS OR CUBIC METERS GALLONS OR LITERS GALLONS OR LITERS ACRE-FEET (the volume that would cover one acre to a depth of one foot) OR HECTARE-METER ACRES OR HECTARES GALLONS PER DAY OR LITERS PER DAY GALLONS OR LITERS	PROCESS Treatment: TANK SURFACE IMPOUNDMENT INCINERATOR OTHER (Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Item III-C.)	PRO-CESS CODE T01 T02 T03 T04	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY GALLONS PER DAY OR LITERS PER DAY GALLONS PER DAY OR LITERS PER DAY TONS PER HOUR OR METRIC TONS PER HOUR GALLONS PER HOUR OR LITERS PER HOUR GALLONS PER DAY OR LITERS PER DAY
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<table border="0" style="width: 100%; font-size: small;"> <tr> <td style="width: 25%;"> UNIT OF MEASURE GALLONS.....G LITERS.....L CUBIC YARDS.....Y CUBIC METERS.....C GALLONS PER DAY.....U </td> <td style="width: 25%;"> UNIT OF MEASURE CODE G L Y C U </td> <td style="width: 25%;"> UNIT OF MEASURE LITERS PER DAY.....V TONS PER HOUR.....D METRIC TONS PER HOUR.....W GALLONS PER HOUR.....E LITERS PER HOUR.....H </td> <td style="width: 25%;"> UNIT OF MEASURE CODE V D W E H </td> <td style="width: 25%;"> UNIT OF MEASURE ACRE-FEET.....A HECTARE-METER.....F ACRES.....W HECTARES.....C </td> <td style="width: 25%;"> UNIT OF MEASURE CODE A F W C </td> </tr> </table>				UNIT OF MEASURE GALLONS.....G LITERS.....L CUBIC YARDS.....Y CUBIC METERS.....C GALLONS PER DAY.....U	UNIT OF MEASURE CODE G L Y C U	UNIT OF MEASURE LITERS PER DAY.....V TONS PER HOUR.....D METRIC TONS PER HOUR.....W GALLONS PER HOUR.....E LITERS PER HOUR.....H	UNIT OF MEASURE CODE V D W E H	UNIT OF MEASURE ACRE-FEET.....A HECTARE-METER.....F ACRES.....W HECTARES.....C	UNIT OF MEASURE CODE A F W C
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EXAMPLE FOR COMPLETING ITEM III (shown in line numbers X-1 and X-2 below): A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.									
DUP									
LINE NUMBER	A. PRO-CESS CODE (from list above)	B. PROCESS DESIGN CAPACITY 1. AMOUNT (specify) 2. UNIT OF MEASURE (enter code)	FOR OFFICIAL USE ONLY	LINE NUMBER	A. PRO-CESS CODE (from list above)	B. PROCESS DESIGN CAPACITY 1. AMOUNT 2. UNIT OF MEASURE (enter code)	FOR OFFICIAL USE ONLY		
X-1	S 0 2	600 G	20	5	T 0 2	100,000 U	20		
X-2	T 0 3	20 E	20	6	T 0 4	648,000 U	20		
1	S 0 2	3,851,000 G	20	7	S 0 2	2,164,000 oil storage U	20		
2	T 0 1	650,000 U	20	8	S 0 3	230,000 Y	20		
3	D 7 9	2.4 x 10 ⁹ G	20	9			20		
4	S 0 4	161.5 x 10 ⁶ G	20	10			20		

Continued from the front

III. PROCESSES (continued)

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESSES (code "T04"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

S 0 2^a Storage Capacity of Oil Reclamation Facility
T 0 4 Filtration

IV. DESCRIPTION OF HAZARDOUS WASTES

A. EPA HAZARDOUS WASTE NUMBER — Enter the four-digit number from 40 CFR, Subpart D for each listed hazardous waste you will handle. If you handle hazardous wastes which are not listed in 40 CFR, Subpart D, enter the four-digit number(s) from 40 CFR, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.

B. ESTIMATED ANNUAL QUANTITY — For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.

C. UNIT OF MEASURE — For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

For listed hazardous waste: For each listed hazardous waste entered in column A select the code(s) from the list of process codes contained in Item III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed hazardous waste: For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER — Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

1. Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
2. In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
3. Repeat step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING ITEM IV (shown in line numbers X-1, X-2, X-3, and X-4 below) — A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

W E C O J Z	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEA- SURE (enter code)	D. PROCESSES							
				1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (if a code is not entered in D(1))			
X-1	K 0 5 4	900	P	T	0	3	D	8	0		
X-2	D 0 0 2	400	P	T	0	3	D	8	0		
X-3	D 0 0 1	100	P	T	0	3	D	8	0		
X-4	D 0 0 2									included with above	

Continued from page 2.

NOTE Photocopy this page before completing if you have more than 26 wastes to list.

Form Approved OMB No 158-SB0004

EPA I.D. NUMBER (enter from page 1)													FOR OFFICIAL USE ONLY												
W O H D O 2 O 2 7 3 8 1 9													W DUP												
IV. DESCRIPTION OF HAZARDOUS WASTES (continued)																									
WASTE NO.	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES																					
				1. PROCESS CODES (enter)																					
				2. PROCESS DESCRIPTION (if a code is not entered in D(1))																					
1	D 0 0 1	89,000	T	S 0 4 T 0 2 D 7 9																					
2	D 0 0 1	89,000	T	S 0 2 T 0 1 D 7 9																					
3	D 0 0 2	89,000	T	S 0 4 T 0 2 D 7 9																					
4	D 0 0 2	89,000	T	S 0 2 T 0 1 D 7 9																					
5	D 0 0 3	89,000	T	S 0 4 T 0 2 D 7 9																					
6	D 0 0 3	89,000	T	S 0 2 T 0 1 D 7 9																					
7	D 0 0 4	89,000	T	S 0 4 T 0 2 D 7 9																					
8	D 0 0 4	89,000	T	S 0 2 T 0 1 D 7 9																					
9	D 0 0 5	89,000	T	S 0 4 T 0 2 D 7 9																					
10	D 0 0 5	89,000	T	S 0 2 T 0 1 D 7 9																					
11	D 0 0 6	89,000	T	S 0 4 T 0 2 D 7 9																					
12	D 0 0 6	89,000	T	S 0 2 T 0 1 D 7 9																					
13	D 0 0 7	89,000	T	S 0 4 T 0 2 D 7 9																					
14	D 0 0 7	89,000	T	S 0 2 T 0 1 D 7 9																					
15	D 0 0 8	89,000	T	S 0 4 T 0 2 D 7 9																					
16	D 0 0 8	89,000	T	S 0 2 T 0 1 D 7 9																					
17	D 0 0 9	89,000	T	S 0 4 T 0 2 D 7 9																					
18	D 0 0 9	89,000	T	S 0 2 T 0 1 D 7 9																					
19	D 0 1 0	89,000	T	S 0 4 T 0 2 D 7 9																					
20	D 0 1 0	89,000	T	S 0 2 T 0 1 D 7 9																					
21	D 0 1 1	89,000	T	S 0 4 T 0 2 D 7 9																					
22	D 0 1 1	89,000	T	S 0 2 T 0 1 D 7 9																					
23	D 0 1 3	89,000	T	S 0 4 T 0 2 D 7 9																					
24	D 0 1 3	89,000	T	S 0 2 T 0 1 D 7 9																					
25	D 0 1 4	89,000	T	S 0 4 T 0 2 D 7 9																					
26	D 0 1 4	89,000	T	S 0 2 T 0 1 D 7 9																					

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(enter "A", "B", "C", etc. behind the "3" to identify photocopied pages)

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Continued from page 2.
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Form Approved OMB No 158-580004

EPA I.D. NUMBER (enter from page 1)													FOR OFFICIAL USE ONLY														
W O H D O 2 0 2 7 3 8 1 9													W DUP 2 DUP														
IV. DESCRIPTION OF HAZARDOUS WASTES (continued)																											
LINE NO.	A. EPA HAZARD. WASTE NO. (enter code)				B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES																				
							1. PROCESS CODES (enter)								2. PROCESS DESCRIPTION (If a code is not entered in D(1))												
	11	12	13	14			15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
1	D	0	1	5	89,000	T	S	0	4	T	0	2	D	7	9												
2	D	0	1	5	89,000	T	S	0	2	T	0	1	D	7	9												
3	D	0	1	6	89,000	T	S	0	4	T	0	2	D	7	9												
4	D	0	1	6	89,000	T	S	0	2	T	0	1	D	7	9												
5	F	0	0	1	89,000	T	S	0	4	T	0	2	D	7	9												
6	F	0	0	1	89,000	T	S	0	2	T	0	1	D	7	9												
7	F	0	0	2	89,000	T	S	0	4	T	0	2	D	7	9												
8	F	0	0	2	89,000	T	S	0	2	T	0	1	D	7	9												
9	F	0	0	3	89,000	T	S	0	4	T	0	2	D	7	9												
10	F	0	0	3	89,000	T	S	0	2	T	0	1	D	7	9												
11	F	0	0	4	89,000	T	S	0	4	T	0	2	D	7	9												
12	F	0	0	4	89,000	T	S	0	2	T	0	1	D	7	9												
13	F	0	0	5	89,000	T	S	0	4	T	0	2	D	7	9												
14	F	0	0	5	89,000	T	S	0	2	T	0	1	D	7	9												
15	F	0	0	6	89,000	T	S	0	4	T	0	2	D	7	9												
16	F	0	0	6	89,000	T	S	0	2	T	0	1	D	7	9												
17	F	0	1	9	89,000	T	S	0	4	T	0	2	D	7	9												
18	F	0	1	9	89,000	T	S	0	2	T	0	1	D	7	9												
19	F	0	0	7	89,000	T	S	0	4	T	0	2	D	7	9												
20	F	0	0	7	89,000	T	S	0	2	T	0	1	D	7	9												
21	F	0	0	8	89,000	T	S	0	4	T	0	2	D	7	9												
22	F	0	0	8	89,000	T	S	0	2	T	0	1	D	7	9												
23	F	0	0	9	89,000	T	S	0	4	T	0	2	D	7	9												
24	F	0	0	9	89,000	T	S	0	2	T	0	1	D	7	9												
25	F	0	1	0	89,000	T	S	0	4	T	0	2	D	7	9												
26	F	0	1	0	89,000	T	S	0	2	T	0	1	D	7	9												

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EPA I.D. NUMBER (enter from page 1)										FOR OFFICIAL USE ONLY									
W O H D O 2 0 2 7 3 8 1 9										W DUP 2 DUP									
IV. DESCRIPTION OF HAZARDOUS WASTES (continued)										D. PROCESSES									
W Z O J Z	A. EPA HAZARD. WASTE NO. (enter code)		B. ESTIMATED ANNUAL QUANTITY OF WASTE		C. UNIT OF MEAS- URE (enter code)	1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (if a code is not entered in D(1))									
	11	12	13	14		15	16	17	18	19	20	21	22						
1	F	0	1	2	89,000	T	S	0	4	T	0	2	D	7	9	*For all waste combinations and closure method, see p. 4 of 5.			
2	F	0	1	2	89,000	T	S	0	2	T	0	1	D	7	9	" " " "			
3	K	0	1	7	89,000	T	S	0	4	T	0	2	D	7	9	" " " "			
4	K	0	1	7	89,000	T	S	0	2	T	0	1	D	7	9	" " " "			
5	K	0	4	9	89,000	T	S	0	4	T	0	2	D	7	9	" " " "			
6	K	0	4	9	89,000	T	S	0	2	T	0	1	D	7	9	" " " "			
7	K	0	5	2	89,000	T	S	0	4	T	0	2	D	7	9	" " " "			
8	K	0	5	2	89,000	T	S	0	2	T	0	1	D	7	9	" " " "			
9	K	0	6	0	89,000	T	S	0	4	T	0	2	D	7	9	" " " "			
10	K	0	6	0	89,000	T	S	0	2	T	0	1	D	7	9	" " " "			
11	K	0	6	2	89,000	T	S	0	4	T	0	2	D	7	9	" " " "			
12	K	0	6	2	89,000	T	S	0	2	T	0	1	D	7	9	" " " "			
13	P	0	0	1	89,000	T	S	0	4	T	0	2	D	7	9	" " " "			
14	P	0	0	1	89,000	T	S	0	2	T	0	1	D	7	9	" " " "			
15	P	0	0	5	89,000	T	S	0	4	T	0	2	D	7	9	" " " "			
16	P	0	0	5	89,000	T	S	0	2	T	0	1	D	7	9	" " " "			
17	P	0	1	0	89,000	T	S	0	4	T	0	2	D	7	9	" " " "			
18	P	0	1	0	89,000	T	S	0	2	T	0	1	D	7	9	" " " "			
19	P	0	1	2	89,000	T	S	0	4	T	0	2	D	7	9	" " " "			
20	P	0	1	2	89,000	T	S	0	2	T	0	1	D	7	9	" " " "			
21	P	0	1	8	89,000	T	S	0	4	T	0	2	D	7	9	" " " "			
22	P	0	1	8	89,000	T	S	0	2	T	0	1	D	7	9	" " " "			
23	P	0	2	2	89,000	T	S	0	4	T	0	2	D	7	9	" " " "			
24	P	0	2	2	89,000	T	S	0	2	T	0	1	D	7	9	" " " "			
25	P	0	3	0	89,000	T	S	0	4	T	0	2	D	7	9	" " " "			
26	P	0	3	0	89,000	T	S	0	2	T	0	1	D	7	9	" " " "			

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EPA I.D. NUMBER (enter from page 1)												FOR OFFICIAL USE ONLY											
W O H D O 2 O 2 7 3 8 1 9												W DUP 2 DUP											
IV. DESCRIPTION OF HAZARDOUS WASTES (continued)																							
WASTE NO.	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	1. PROCESS CODES (enter)								2. PROCESS DESCRIPTION (if a code is not entered in D(1))											
				ST	PO	ST	PO	ST	PO	ST	PO												
1	P 0 4 4	89,000	T	S 0 4	T 0 2	D 7 9					*For all waste combinations and closure method, see p. 4 of 5.												
2	P 0 4 4	89,000	T	S 0 2	T 0 1	D 7 9					"	"	"	"									
3	P 0 5 0	89,000	T	S 0 4	T 0 2	D 7 9					"	"	"	"									
4	P 0 5 0	89,000	T	S 0 2	T 0 1	D 7 9					"	"	"	"									
5	P 0 6 4	89,000	T	S 0 4	T 0 2	D 7 9					"	"	"	"									
6	P 0 6 4	89,000	T	S 0 2	T 0 1	D 7 9					"	"	"	"									
7	P 0 7 8	89,000	T	S 0 4	T 0 2	D 7 9					"	"	"	"									
8	P 0 7 8	89,000	T	S 0 2	T 0 1	D 7 9					"	"	"	"									
9	P 0 9 8	89,000	T	S 0 4	T 0 2	D 7 9					"	"	"	"									
10	P 0 9 8	89,000	T	S 0 2	T 0 1	D 7 9					"	"	"	"									
11	P 1 0 5	89,000	T	S 0 4	T 0 2	D 7 9					"	"	"	"									
12	P 1 0 5	89,000	T	S 0 2	T 0 1	D 7 9					"	"	"	"									
13	P 1 0 6	89,000	T	S 0 4	T 0 2	D 7 9					"	"	"	"									
14	P 1 0 6	89,000	T	S 0 2	T 0 1	D 7 9					"	"	"	"									
15	P 1 1 9	89,000	T	S 0 4	T 0 2	D 7 9					"	"	"	"									
16	P 1 1 9	89,000	T	S 0 2	T 0 1	D 7 9					"	"	"	"									
17	P 1 2 0	89,000	T	S 0 4	T 0 2	D 7 9					"	"	"	"									
18	P 1 2 0	89,000	T	S 0 2	T 0 1	D 7 9					"	"	"	"									
19	U 0 0 1	89,000	T	S 0 4	T 0 2	D 7 9					"	"	"	"									
20	U 0 0 1	89,000	T	S 0 2	T 0 1	D 7 9					"	"	"	"									
21	U 0 0 2	89,000	T	S 0 4	T 0 2	D 7 9					"	"	"	"									
22	U 0 0 2	89,000	T	S 0 2	T 0 1	D 7 9					"	"	"	"									
23	U 0 0 3	89,000	T	S 0 4	T 0 2	D 7 9					"	"	"	"									
24	U 0 0 3	89,000	T	S 0 2	T 0 1	D 7 9					"	"	"	"									
25	U 0 0 7	89,000	T	S 0 4	T 0 2	D 7 9					"	"	"	"									
26	U 0 0 7	89,000	T	S 0 2	T 0 1	D 7 9					"	"	"	"									

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EPA I.D. NUMBER (enter from page 1)												FOR OFFICIAL USE ONLY											
W O H D O 2 0 2 7 3 8 1 9												W DUP 2 DUP											
IV. DESCRIPTION OF HAZARDOUS WASTES (continued)																							
LINE NO.	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES																			
				1. PROCESS CODES (enter)																			
				2. PROCESS DESCRIPTION (if a code is not entered in D(1))																			
				*For all waste combinations and closure method, see p. 4 of 5.																			
1	U 0 0 8	89,000	T	S 0 4 T 0 2 D 7 9																			
2	U 0 0 8	89,000	T	S 0 2 T 0 1 D 7 9																			
3	U 0 0 9	89,000	T	S 0 4 T 0 2 D 7 9																			
4	U 0 0 9	89,000	T	S 0 2 T 0 1 D 7 9																			
5	U 0 1 2	89,000	T	S 0 4 T 0 2 D 7 9																			
6	U 0 1 2	89,000	T	S 0 2 T 0 1 D 7 9																			
7	U 0 1 6	89,000	T	S 0 4 T 0 2 D 7 9																			
8	U 0 1 6	89,000	T	S 0 2 T 0 1 D 7 9																			
9	U 0 1 9	89,000	T	S 0 4 T 0 2 D 7 9																			
10	U 0 1 9	89,000	T	S 0 2 T 0 1 D 7 9																			
11	U 0 3 1	89,000	T	S 0 4 T 0 2 D 7 9																			
12	U 0 3 1	89,000	T	S 0 2 T 0 1 D 7 9																			
13	U 0 3 4	89,000	T	S 0 4 T 0 2 D 7 9																			
14	U 0 3 4	89,000	T	S 0 2 T 0 1 D 7 9																			
15	U 0 3 6	89,000	T	S 0 4 T 0 2 D 7 9																			
16	U 0 3 6	89,000	T	S 0 2 T 0 1 D 7 9																			
17	U 0 4 3	89,000	T	S 0 4 T 0 2 D 7 9																			
18	U 0 4 3	89,000	T	S 0 2 T 0 1 D 7 9																			
19	U 0 4 4	89,000	T	S 0 4 T 0 2 D 7 9																			
20	U 0 4 4	89,000	T	S 0 2 T 0 1 D 7 9																			
21	U 0 5 1	89,000	T	S 0 4 T 0 2 D 7 9																			
22	U 0 5 1	89,000	T	S 0 2 T 0 1 D 7 9																			
23	U 0 5 2	89,000	T	S 0 4 T 0 2 D 7 9																			
24	U 0 5 2	89,000	T	S 0 2 T 0 1 D 7 9																			
25	U 0 5 3	89,000	T	S 0 4 T 0 2 D 7 9																			
26	U 0 5 3	89,000	T	S 0 2 T 0 1 D 7 9																			

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PAGE 3 E OF 5
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Form Approved OMB No. 158-S80004

EPA ID NUMBER (enter from page 1)													FOR OFFICIAL USE ONLY												
W 0 H D O 2 O 2 7 3 8 1 9													W DUP 2 DUP												
IV DESCRIPTION OF HAZARDOUS WASTES (continued)																									
LINE NO.	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES																					
				1. PROCESS CODES (enter)																					
				2. PROCESS DESCRIPTION (if a code is not entered in D(1))																					
1	U 0 5 5	89,000	T	S 0 4 T 0 2 D 7 9																					
				*For all waste combinations and closure method, see p. 4 of 5.																					
2	U 0 5 5	89,000	T	S 0 2 T 0 1 D 7 9																					
3	U 0 5 6	89,000	T	S 0 4 T 0 2 D 7 9																					
4	U 0 5 6	89,000	T	S 0 2 T 0 1 D 7 9																					
5	U 0 5 7	89,000	T	S 0 4 T 0 2 D 7 9																					
6	U 0 5 7	89,000	T	S 0 2 T 0 1 D 7 9																					
7	U 0 6 8	89,000	T	S 0 4 T 0 2 D 7 9																					
8	U 0 6 8	89,000	T	S 0 2 T 0 1 D 7 9																					
9	U 0 7 0	89,000	T	S 0 4 T 0 2 D 7 9																					
10	U 0 7 0	89,000	T	S 0 2 T 0 1 D 7 9																					
11	U 0 7 2	89,000	T	S 0 4 T 0 2 D 7 9																					
12	U 0 7 2	89,000	T	S 0 2 T 0 1 D 7 9																					
13	U 0 7 5	89,000	T	S 0 4 T 0 2 D 7 9																					
14	U 0 7 5	89,000	T	S 0 2 T 0 1 D 7 9																					
15	U 0 7 7	89,000	T	S 0 4 T 0 2 D 7 9																					
16	U 0 7 7	89,000	T	S 0 2 T 0 1 D 7 9																					
17	U 0 7 8	89,000	T	S 0 4 T 0 2 D 7 9																					
18	U 0 7 8	89,000	T	S 0 2 T 0 1 D 7 9																					
19	U 0 8 0	89,000	T	S 0 4 T 0 2 D 7 9																					
20	U 0 8 0	89,000	T	S 0 2 T 0 1 D 7 9																					
21	U 0 8 1	89,000	T	S 0 4 T 0 2 D 7 9																					
22	U 0 8 1	89,000	T	S 0 2 T 0 1 D 7 9																					
23	U 0 8 8	89,000	T	S 0 4 T 0 2 D 7 9																					
24	U 0 8 8	89,000	T	S 0 2 T 0 1 D 7 9																					
25	U 0 9 2	89,000	T	S 0 4 T 0 2 D 7 9																					
26	U 0 9 2	89,000	T	S 0 2 T 0 1 D 7 9																					

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EPA I.D. NUMBER (enter from page 1)										FOR OFFICIAL USE ONLY									
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
W	H	D	O	2	0	2	7	3	8	1	9	D	U	P	2	D	U	P	
IV. DESCRIPTION OF HAZARDOUS WASTES (continued)																			
LINE NO.	A. EPA HAZARD. WASTE NO. (enter code)		B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES														
	11	12			1. PROCESS CODES (enter)														
	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
1	U	1	0	2	89,000	T	S	0	4	T	0	2	D	7	9	*For all waste combinations and closure method, see p. 4 of 5.			
2	U	1	0	2	89,000	T	S	0	2	T	0	1	D	7	9	"	"	"	"
3	U	1	0	3	89,000	T	S	0	4	T	0	2	D	7	9	"	"	"	"
4	U	1	0	3	89,000	T	S	0	2	T	0	1	D	7	9	"	"	"	"
5	U	1	0	5	89,000	T	S	0	4	T	0	2	D	7	9	"	"	"	"
6	U	1	0	5	89,000	T	S	0	2	T	0	1	D	7	9	"	"	"	"
7	U	1	0	8	89,000	T	S	0	4	T	0	2	D	7	9	"	"	"	"
8	U	1	0	8	89,000	T	S	0	2	T	0	1	D	7	9	"	"	"	"
9	U	1	1	2	89,000	T	S	0	4	T	0	2	D	7	9	"	"	"	"
10	U	1	1	2	89,000	T	S	0	2	T	0	1	D	7	9	"	"	"	"
11	U	1	1	3	89,000	T	S	0	4	T	0	2	D	7	9	"	"	"	"
12	U	1	1	3	89,000	T	S	0	2	T	0	1	D	7	9	"	"	"	"
13	U	1	1	5	89,000	T	S	0	4	T	0	2	D	7	9	"	"	"	"
14	U	1	1	5	89,000	T	S	0	2	T	0	1	D	7	9	"	"	"	"
15	U	1	1	7	89,000	T	S	0	4	T	0	2	D	7	9	"	"	"	"
16	U	1	1	7	89,000	T	S	0	2	T	0	1	D	7	9	"	"	"	"
17	U	1	2	1	89,000	T	S	0	4	T	0	2	D	7	9	"	"	"	"
18	U	1	2	1	89,000	T	S	0	2	T	0	1	D	7	9	"	"	"	"
19	U	1	2	2	89,000	T	S	0	4	T	0	2	D	7	9	"	"	"	"
20	U	1	2	2	89,000	T	S	0	2	T	0	1	D	7	9	"	"	"	"
21	U	1	2	3	89,000	T	S	0	4	T	0	2	D	7	9	"	"	"	"
22	U	1	2	3	89,000	T	S	0	2	T	0	1	D	7	9	"	"	"	"
23	U	1	2	4	89,000	T	S	0	4	T	0	2	D	7	9	"	"	"	"
24	U	1	2	4	89,000	T	S	0	2	T	0	1	D	7	9	"	"	"	"
25	U	1	2	5	89,000	T	S	0	4	T	0	2	D	7	9	"	"	"	"
26	U	1	2	5	89,000	T	S	0	2	T	0	1	D	7	9	"	"	"	"

EPA Form 3510-3 (6-80)

CONTINUE ON REVERSE

PAGE 3 G OF 3
 (enter "A", "B", "C", etc. behind the "3" to identify photocopied pages)

Revision 0
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Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

Form Approved OMB No 158-S80004

EPA I.D. NUMBER (enter from page 1)										FOR OFFICIAL USE ONLY												
W	O	H	D	O	2	0	2	7	3	8	1	9	W	DUP					7/2	2	DUP	
IV. DESCRIPTION OF HAZARDOUS WASTES (continued)																						
WASTE NO.	A. EPA HAZARD. WASTE NO. (enter code)			B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES																
	1	2	3			1. PROCESS CODES (enter)																
						2. PROCESS DESCRIPTION (if a code is not entered in D(1))																
1	U	1	3	1	89,000	T	S	0	4	T	0	2	D	7	9	*For all waste combinations and closure method, see p. 4 of 5.						
2	U	1	3	1	89,000	T	S	0	2	T	0	1	D	7	9	"	"	"	"	"	"	"
3	U	1	3	3	89,000	T	S	0	4	T	0	2	D	7	9	"	"	"	"	"	"	"
4	U	1	3	3	89,000	T	S	0	2	T	0	1	D	7	9	"	"	"	"	"	"	"
5	U	1	3	4	89,000	T	S	0	4	T	0	2	D	7	9	"	"	"	"	"	"	"
6	U	1	3	4	89,000	T	S	0	2	T	0	1	D	7	9	"	"	"	"	"	"	"
7	U	1	3	5	89,000	T	S	0	4	T	0	2	D	7	9	"	"	"	"	"	"	"
8	U	1	3	5	89,000	T	S	0	2	T	0	1	D	7	9	"	"	"	"	"	"	"
9	U	1	4	0	89,000	T	S	0	4	T	0	2	D	7	9	"	"	"	"	"	"	"
10	U	1	4	0	89,000	T	S	0	2	T	0	1	D	7	9	"	"	"	"	"	"	"
11	U	1	4	4	89,000	T	S	0	4	T	0	2	D	7	9	"	"	"	"	"	"	"
12	U	1	4	4	89,000	T	S	0	2	T	0	1	D	7	9	"	"	"	"	"	"	"
13	U	1	4	7	89,000	T	S	0	4	T	0	2	D	7	9	"	"	"	"	"	"	"
14	U	1	4	7	89,000	T	S	0	2	T	0	1	D	7	9	"	"	"	"	"	"	"
15	U	1	4	8	89,000	T	S	0	4	T	0	2	D	7	9	"	"	"	"	"	"	"
16	U	1	4	8	89,000	T	S	0	2	T	0	1	D	7	9	"	"	"	"	"	"	"
17	U	1	5	1	89,000	T	S	0	4	T	0	2	D	7	9	"	"	"	"	"	"	"
18	U	1	5	1	89,000	T	S	0	2	T	0	1	D	7	9	"	"	"	"	"	"	"
19	U	1	5	4	89,000	T	S	0	4	T	0	2	D	7	9	"	"	"	"	"	"	"
20	U	1	5	4	89,000	T	S	0	2	T	0	1	D	7	9	"	"	"	"	"	"	"
21	U	1	5	9	89,000	T	S	0	4	T	0	2	D	7	9	"	"	"	"	"	"	"
22	U	1	5	9	89,000	T	S	0	2	T	0	1	D	7	9	"	"	"	"	"	"	"
23	U	1	6	1	89,000	T	S	0	4	T	0	2	D	7	9	"	"	"	"	"	"	"
24	U	1	6	1	89,000	T	S	0	2	T	0	1	D	7	9	"	"	"	"	"	"	"
25	U	1	6	2	89,000	T	S	0	4	T	0	2	D	7	9	"	"	"	"	"	"	"
26	U	1	6	2	89,000	T	S	0	2	T	0	1	D	7	9	"	"	"	"	"	"	"

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CONTINUE ON REVERSE

PAGE 3 H OF 5
(enter "A", "B", "C", etc. behind the "3" to identify photocopied pages)

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9/20/84

Continued from page 2.

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

Form Approved OMB No. 158-S80004

EPA I.D. NUMBER (enter from page 1)													FOR OFFICIAL USE ONLY												
W O H D O 2 0 2 7 3 8 1 9 1													W DUP 2 DUP												
IV. DESCRIPTION OF HAZARDOUS WASTES (continued)																									
U N I T N O	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEAS- URE (enter code)	D. PROCESSES																					
				1. PROCESS CODES (enter)																					
				2. PROCESS DESCRIPTION (If a code is not entered in D(1))																					
1	U 1 6 5	89,000	T	S 0 4 T 0 2 D 7 9																					
2	U 1 6 5	89,000	T	S 0 2 T 0 1 D 7 9																					
3	U 1 6 7	89,000	T	S 0 4 T 0 2 D 7 9																					
4	U 1 6 7	89,000	T	S 0 2 T 0 1 D 7 9																					
5	U 1 6 9	89,000	T	S 0 4 T 0 2 D 7 9																					
6	U 1 6 9	89,000	T	S 0 2 T 0 1 D 7 9																					
7	U 1 8 2	89,000	T	S 0 4 T 0 2 D 7 9																					
8	U 1 8 2	89,000	T	S 0 2 T 0 1 D 7 9																					
9	U 1 8 8	89,000	T	S 0 4 T 0 2 D 7 9																					
10	U 1 8 8	89,000	T	S 0 2 T 0 1 D 7 9																					
11	U 1 9 0	89,000	T	S 0 4 T 0 2 D 7 9																					
12	U 1 9 0	89,000	T	S 0 2 T 0 1 D 7 9																					
13	U 1 9 6	89,000	T	S 0 4 T 0 2 D 7 9																					
14	U 1 9 6	89,000	T	S 0 2 T 0 1 D 7 9																					
15	U 2 0 1	89,000	T	S 0 4 T 0 2 D 7 9																					
16	U 2 0 1	89,000	T	S 0 2 T 0 1 D 7 9																					
17	U 2 0 7	89,000	T	S 0 4 T 0 2 D 7 9																					
18	U 2 0 7	89,000	T	S 0 2 T 0 1 D 7 9																					
19	U 2 0 8	89,000	T	S 0 4 T 0 2 D 7 9																					
20	U 2 0 8	89,000	T	S 0 2 T 0 1 D 7 9																					
21	U 2 1 0	89,000	T	S 0 4 T 0 2 D 7 9																					
22	U 2 1 0	89,000	T	S 0 2 T 0 1 D 7 9																					
23	U 2 1 1	89,000	T	S 0 4 T 0 2 D 7 9																					
24	U 2 1 1	89,000	T	S 0 2 T 0 1 D 7 9																					
25	U 2 1 3	89,000	T	S 0 4 T 0 2 D 7 9																					
26	U 2 1 3	89,000	T	S 0 2 T 0 1 D 7 9																					

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CONTINUE ON REVERSE

PAGE 3 I OF 5

(enter "A", "B", "C", etc. behind the "3" to identify photocopied pages)

Revision 0
9/20/84

Continued from page 2.

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Form Approved OMB No. 158-S80004

EPA I.D. NUMBER (enter from page 1)										FOR OFFICIAL USE ONLY												
W	O	H	D	O	2	O	2	7	3	8	1	9	W	DUP				2	DUP			
IV. DESCRIPTION OF HAZARDOUS WASTES (continued)																						
WASTE NO.	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES																		
				1. PROCESS CODES (enter)								2. PROCESS DESCRIPTION (if a code is not entered in D(1))										
1	U 2 1 9	89,000	T	S 0 4	T 0 2	D 7 9					*For all waste combinations and closure method, see p. 4 of 5.											
2	U 2 1 9	89,000	T	S 0 2	T 0 1	D 7 9					"	"	"	"								
3	U 2 2 0	89,000	T	S 0 4	T 0 2	D 7 9					"	"	"	"								
4	U 2 2 0	89,000	T	S 0 2	T 0 1	D 7 9					"	"	"	"								
5	U 2 2 1	89,000	T	S 0 4	T 0 2	D 7 9					"	"	"	"								
6	U 2 2 1	89,000	T	S 0 2	T 0 1	D 7 9					"	"	"	"								
7	U 2 2 2	89,000	T	S 0 4	T 0 2	D 7 9					"	"	"	"								
8	U 2 2 2	89,000	T	S 0 2	T 0 1	D 7 9					"	"	"	"								
9	U 2 2 3	89,000	T	S 0 4	T 0 2	D 7 9					"	"	"	"								
10	U 2 2 3	89,000	T	S 0 2	T 0 1	D 7 9					"	"	"	"								
11	U 2 2 6	89,000	T	S 0 4	T 0 2	D 7 9					"	"	"	"								
12	U 2 2 6	89,000	T	S 0 2	T 0 1	D 7 9					"	"	"	"								
13	U 2 2 7	89,000	T	S 0 4	T 0 2	D 7 9					"	"	"	"								
14	U 2 2 7	89,000	T	S 0 2	T 0 1	D 7 9					"	"	"	"								
15	U 2 2 8	89,000	T	S 0 4	T 0 2	D 7 9					"	"	"	"								
16	U 2 2 8	89,000	T	S 0 2	T 0 1	D 7 9					"	"	"	"								
17	U 2 3 8	89,000	T	S 0 4	T 0 2	D 7 9					"	"	"	"								
18	U 2 3 8	89,000	T	S 0 2	T 0 1	D 7 9					"	"	"	"								
19	U 2 3 9	89,000	T	S 0 4	T 0 2	D 7 9					"	"	"	"								
20	U 2 3 9	89,000	T	S 0 2	T 0 1	D 7 9					"	"	"	"								
21																						
22																						
23																						
24																						
25																						
26																						

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CONTINUE ON REVERSE

PAGE 3 J OF 5

(enter "A", "B", "C", etc. behind the "3" to identify photocopied pages)

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Continued from the front

IV. DESCRIPTION OF HAZARDOUS WASTES (continued)											
E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM ITEM D(1) ON PAGE 3.											
EPA I.D. NO. (enter from page 1)											
1	2	3	4	5	6	7	8	9	10	11	12
H	O	H	D	0	2	0	2	7	3	8	1
										13	14
										6	
V. FACILITY DRAWING											
All existing facilities must include in the space provided on page 5 a scale drawing of the facility (see instructions for more detail).											
VI. PHOTOGRAPHS											
All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).											
VII. FACILITY GEOGRAPHIC LOCATION											
LATITUDE (degrees, minutes, & seconds)						LONGITUDE (degrees, minutes, & seconds)					
1	2	3	4	5	6	7	8	9	10	11	12
4	1	2	2	1	9	0	8	2	5	8	4
VIII. FACILITY OWNER											
<input type="checkbox"/> A. If the facility owner is also the facility operator as listed in Section VIII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.											
B. If the facility owner is not the facility operator as listed in Section VIII on Form 1, complete the following items:											
1. NAME OF FACILITY'S LEGAL OWNER						2. PHONE NO. (area code & no.)					
E						F					
3. STREET OR P.O. BOX						4. CITY OR TOWN		5. ST.		6. ZIP CODE	
F						G					
IX. OWNER CERTIFICATION											
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.											
A. NAME (print or type)						B. SIGNATURE			C. DATE SIGNED		
Milo D. Harrison Senior Vice President						<i>Milo D. Harrison</i>			Sept 17 1984		
X. OPERATOR CERTIFICATION											
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.											
A. NAME (print or type)						B. SIGNATURE			C. DATE SIGNED		
Milo D. Harrison Senior Vice President						<i>Milo D. Harrison</i>			Sept 17 1984		

V. FACILITY DRAWING (see page 4)

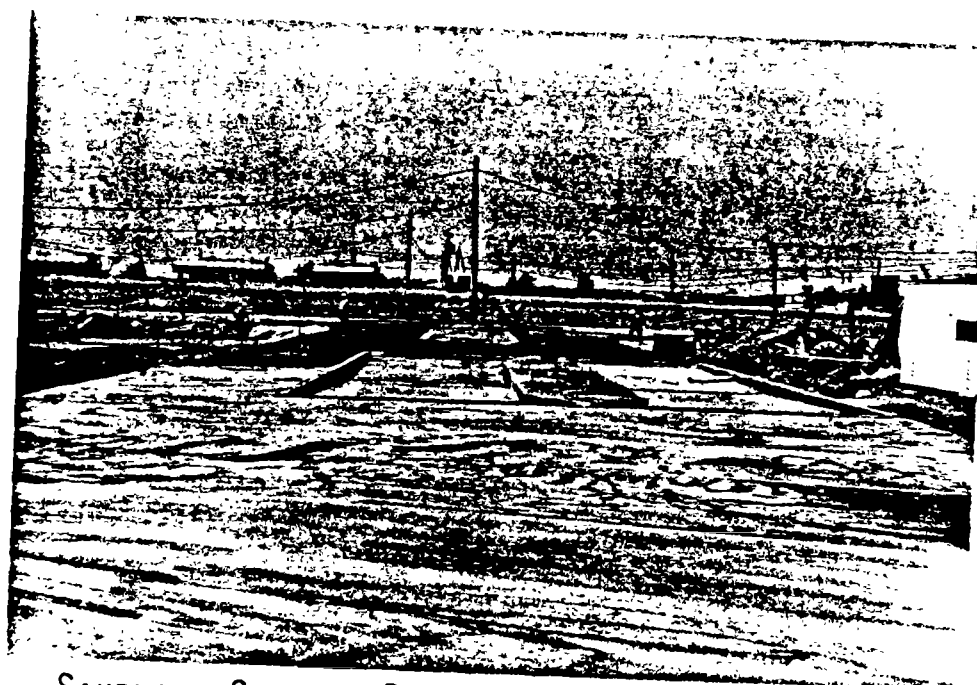
A topographic map showing a one-mile halo around the facility is provided in Appendix 1.

Additional topographic maps and drawings showing the existing interim and ultimate facility layouts are provided in Appendix A.

A location map of the facility is provided in Section B.



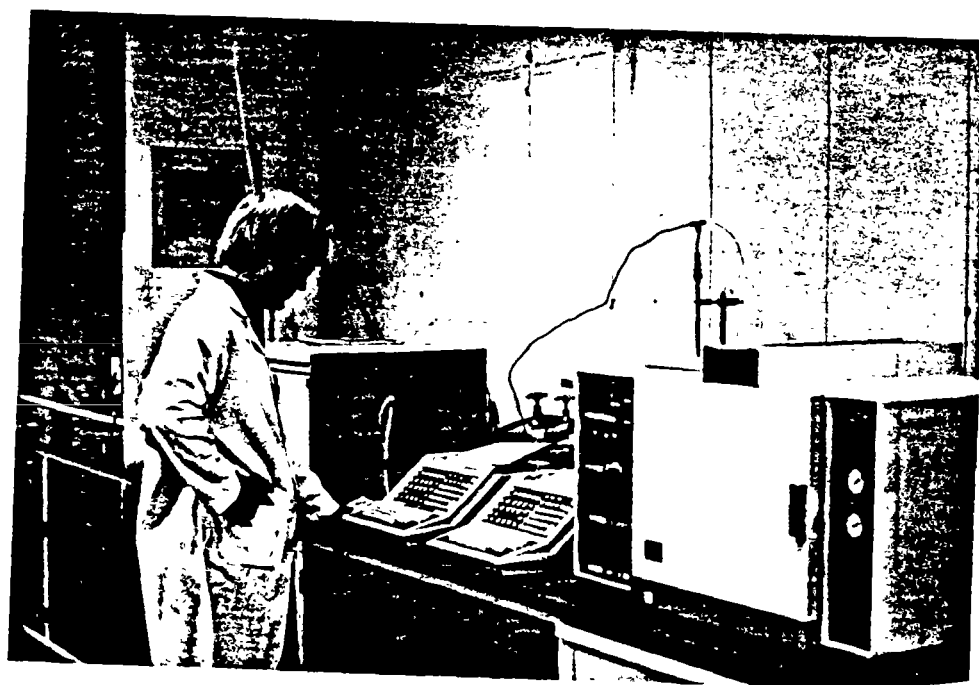
1. NEW (WEST) ENTRANCE (UNDER CONSTRUCTION); OFFICE BLDG./MAIN LABORATORY IN CENTER, THE RECEIPT CONTROL STATION AT NEAR END OF BUILDING; & HIGHWAY 412 AT RIGHT.



2. SAMPLING STATION PAD (UNDER CONSTRUCTION), WITH NEW TRUCK SCALE PLATFORM BEHIND.



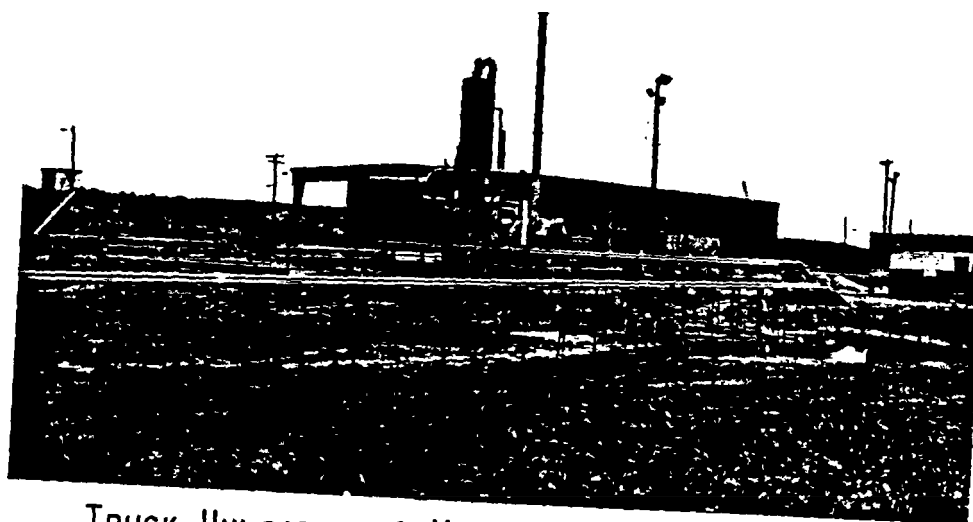
3. MAIN LABORATORY--FUME HOOD.



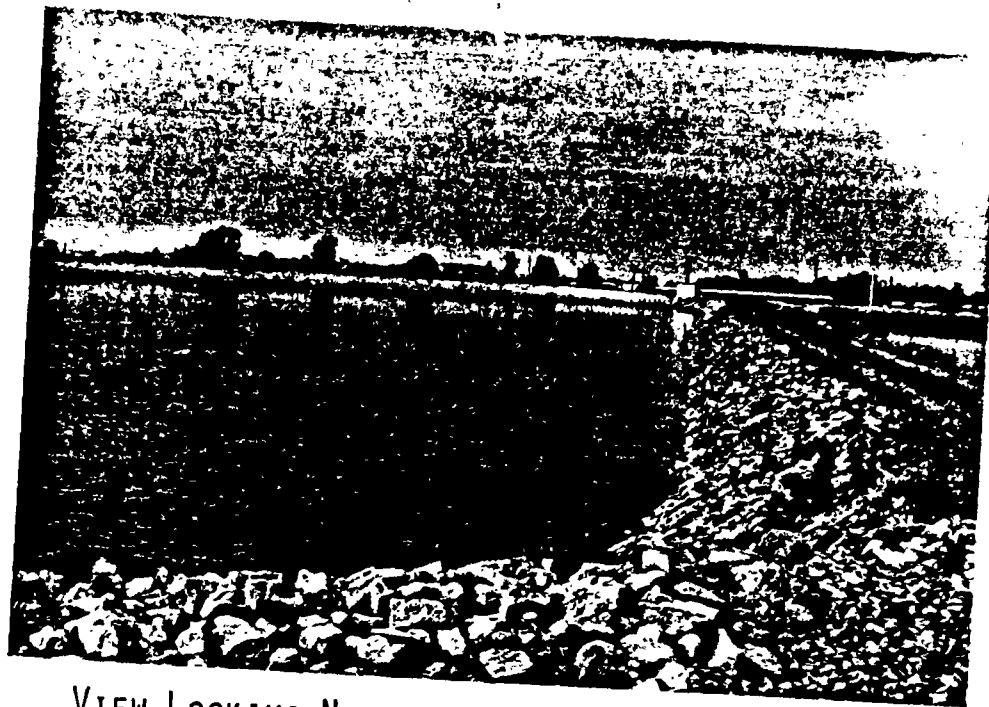
4. MAIN LABORATORY--AUTOMATED ANALYTIC EQUIPMENT.



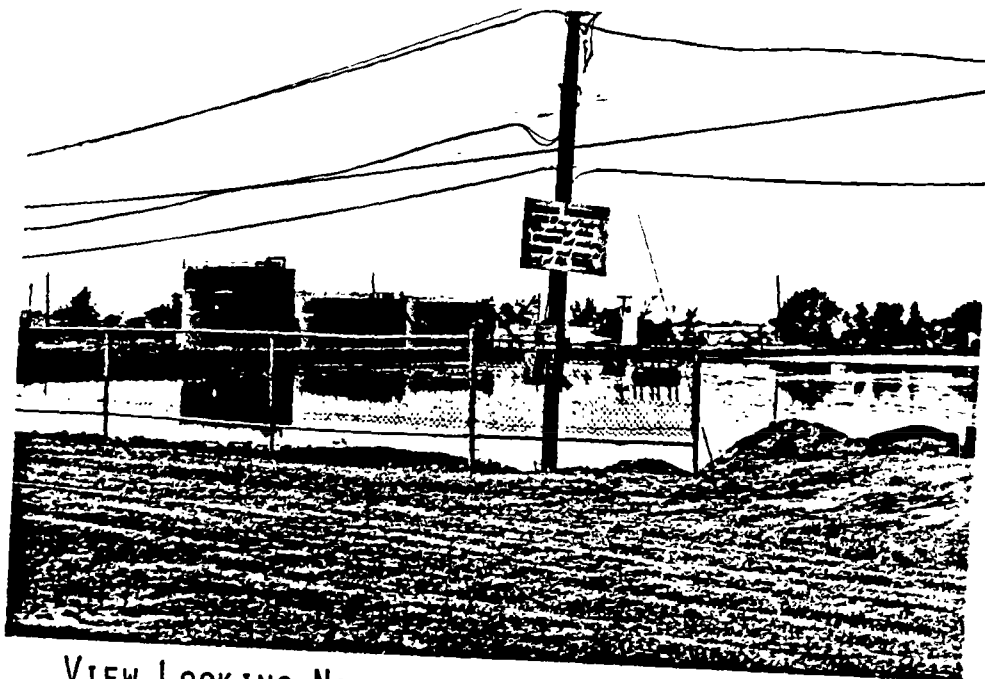
5. SOUTH SIDE OF TRUCK UNLOADING & WASH BUILDING (UNDER CONSTRUCTION); SOUTHSIDE OF WASH BAY AT LEFT END, TWO INTERIOR & ONE EXTERIOR UNLOADING BAY AT RIGHT END.



6. TRUCK UNLOADING & WASH BUILDING (UNDER CONSTRUCTION), WITH CAUSTIC SCRUBBER & PIPE RACKS FOR ODOROUS WASTE TREATMENT SYSTEM (EXISTING) IN FOREGROUND; NORTH DIKE OF POND 11 IN LEFT BACKGROUND.



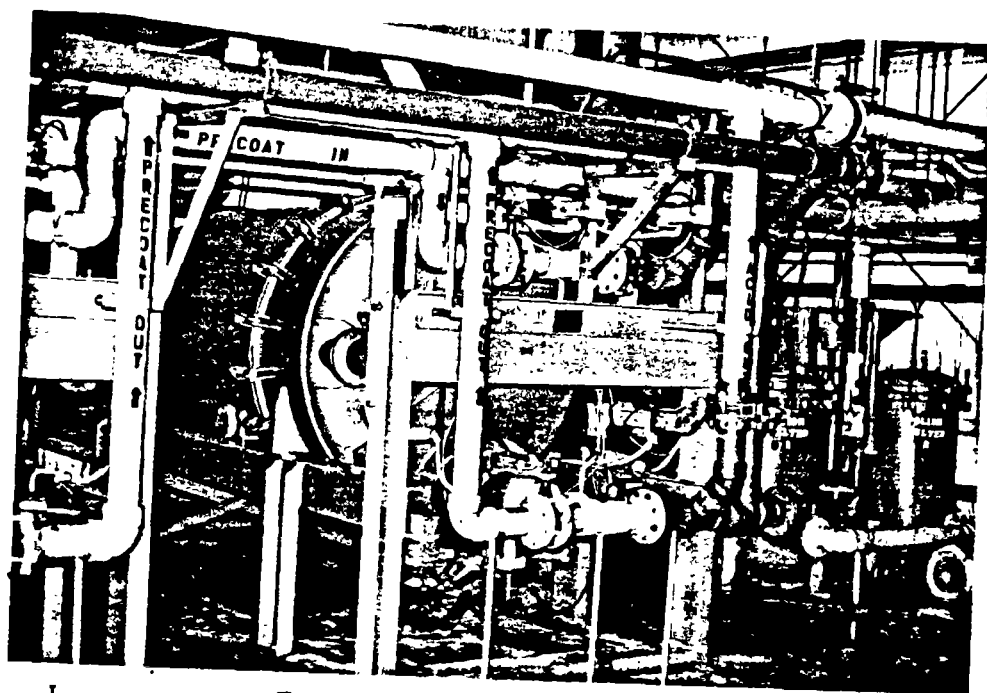
7. VIEW LOOKING NORTH ALONG DIKE BETWEEN POND 12
AT LEFT AND POND 11 AT RIGHT



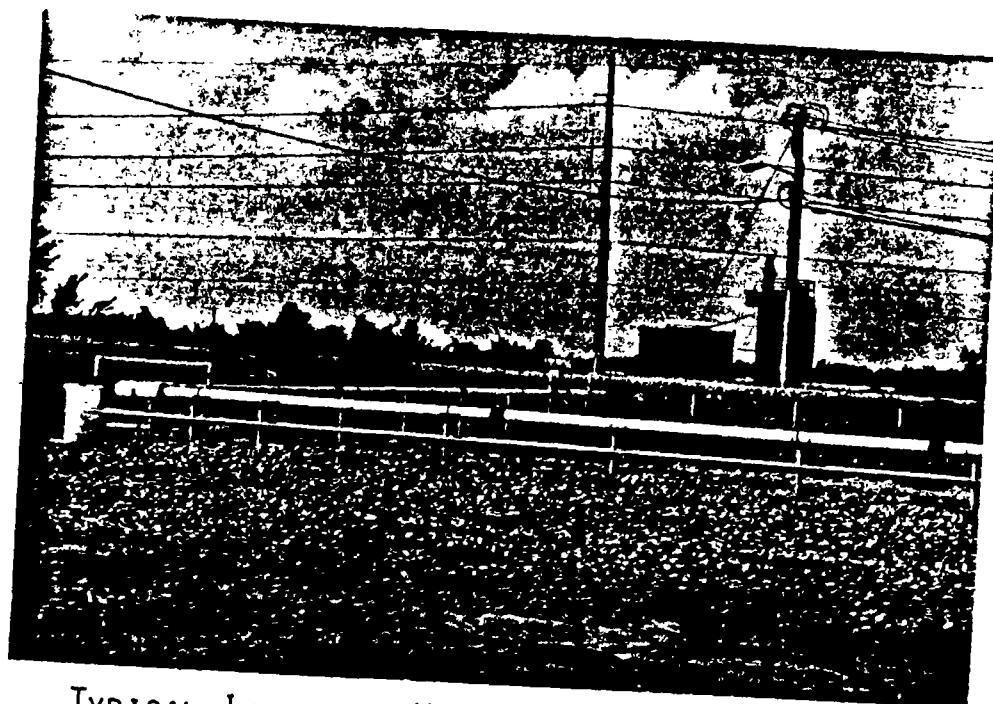
8. VIEW LOOKING NORTHWEST ACROSS POND 7 (BEING PREPARED
FOR CLOSURE) TOWARD ODOROUS WASTE TREATMENT SYSTEM
(EXISTING); NITROGEN TANK VISIBLE IN CENTER RIGHT,
AND OHIO TURNPIKE IN RIGHT DISTANCE.



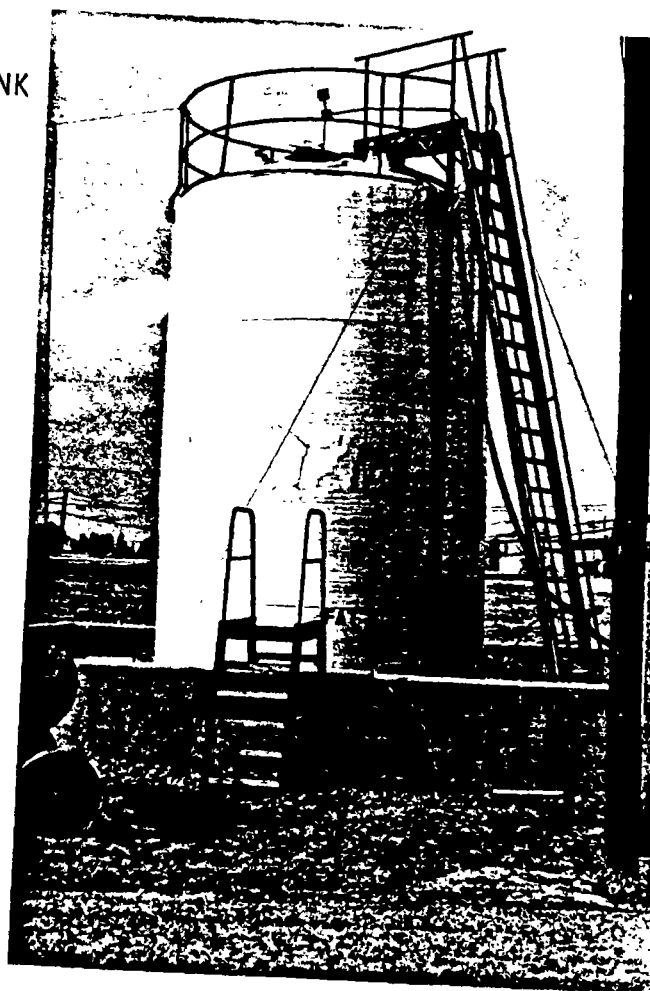
9. CLOSEUP OF ODOROUS WASTE TREATMENT SYSTEM, TANKS T-3, T-4, & T-11, LEFT TO RIGHT; ALSO NITROGEN TANK VISIBLE AT RIGHT.



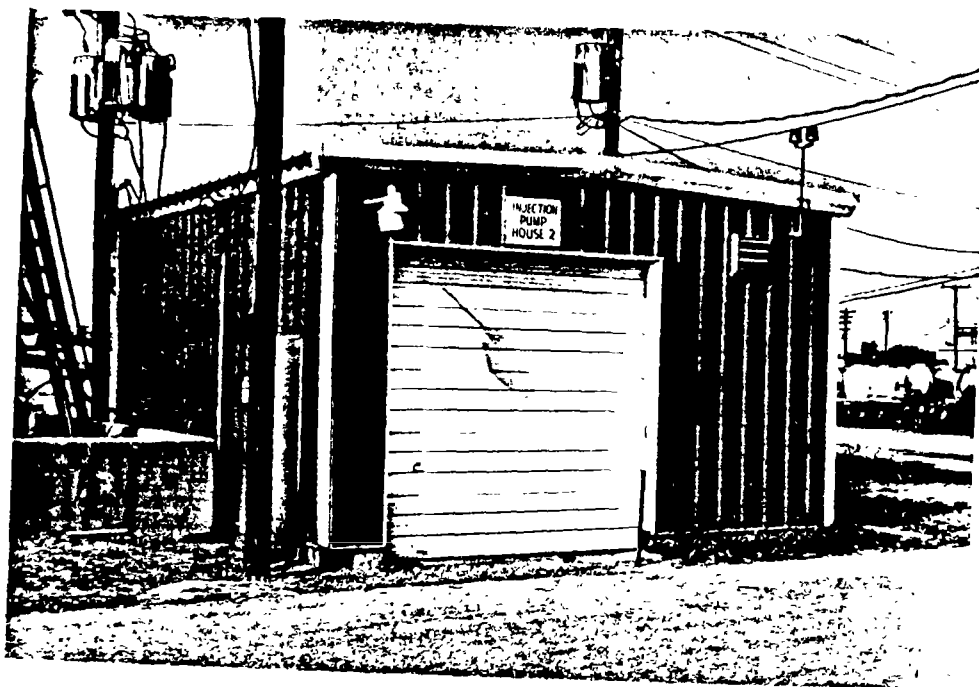
10. INTERIOR OF FILTER BUILDING SHOWING PRESSURE LEAF FILTER AND POLISH FILTERS.



11. TYPICAL INJECTION WELL SUPPLY PIPING, WITH PUMP HOUSE 3 AND TANK FAT-3 IN RIGHT BACKGROUND.

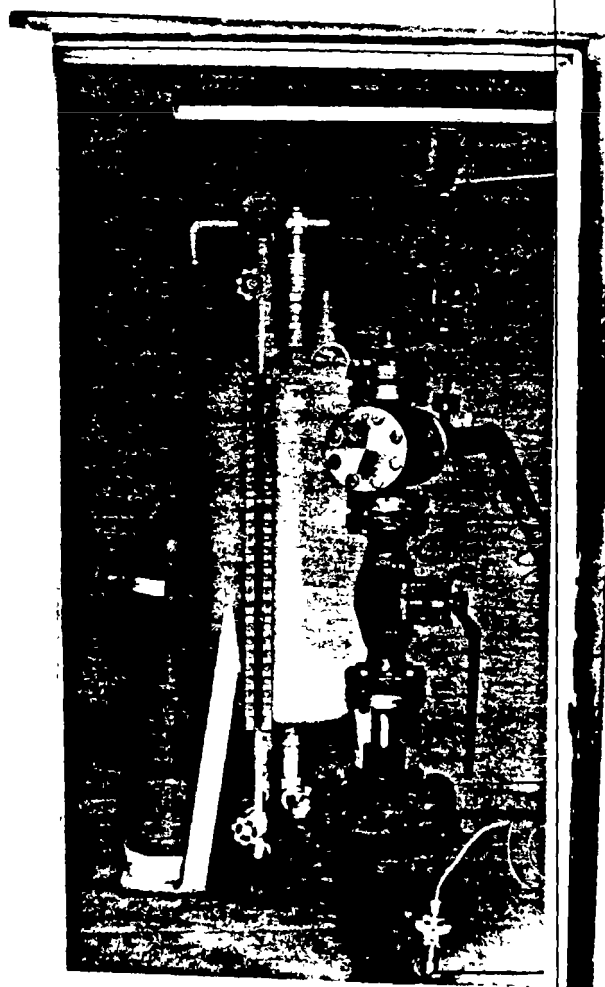


12. CLOSEUP OF TANK FAT-2 SHOWING SECONDARY CONTAINMENT.



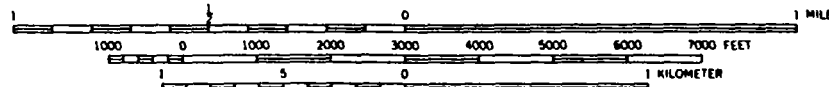
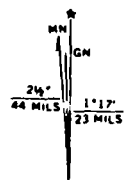
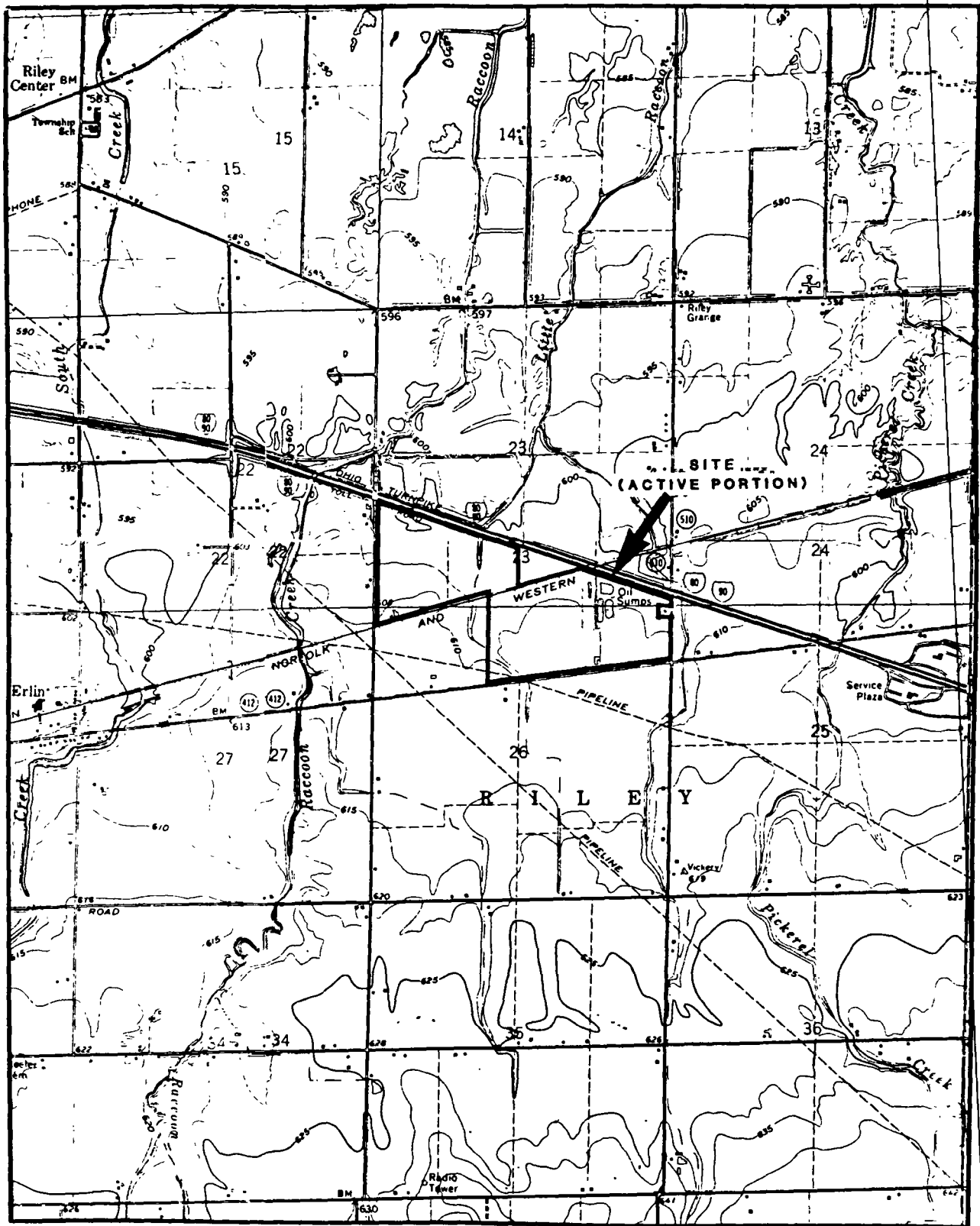
13. PUMP HOUSE 2.

14. CLOSEUP OF TYPICAL
WELL HEAD FOR
INJECTION WELLS;
RESERVOIR FOR
ANNULUS LIQUID
AT REAR.



APPENDIX 1

USGS QUADRANGLE MAP



Hazardous • waste • facility • approval • board

James A. Rhodes, Governor
Wayne S. Nichols, Chairman

hwfab

P.O. Box 1049
361 E. Broad St.
Columbus, Ohio 43216
(614) 462-6981

Re: 03-72-0191

October 12, 1982

Chemical Waste Management, Inc.
3956 State Route 412
Vickery, Ohio 43464

RECEIVED
OHIO EPA

Attn: Mr. R. C. Shawl, General Manager

OCT 13 1982

Dear Mr. Shawl:

DIV. HAZARDOUS
MATERIALS MANAGEMENT

On October 4, 1982, the Hazardous Waste Facility Approval Board received your request for permit modification. Upon review by the Board Staff, your request was determined to be an administrative revision. Pursuant to Resolution No. 21-82, approved by the Board on August 5, 1982, and as amended, your permit has been accordingly revised and entered in the Hazardous Waste Facility Approval Board's Journal.

Attached is a certified copy of this entry exactly as it appears in our records. This material should be reviewed for possible discrepancies which may have occurred in processing your request. Should you discover any discrepancies or have additional comments or concerns regarding this matter, please contact Mike Lepp of my staff at (614) 462-6981.

Thank you for your cooperation in this matter.

Sincerely,

Peggy J. Vince

Peggy J. Vince
Executive Director
H.W.F.A.B.

PJV/mes

Attachment

cc: ✓ Division of Hazardous Materials Management, Permits and Manifest
Records Section
U.S. EPA, Region V, State Implementation Officer for Ohio
File





U.S. ENVIRONMENTAL PROTECTION AGENCY
GENERAL INFORMATION
Consolidated Permits Program
(Read the "General Instructions" before starting.)

1. EPA I.D. NUMBER

FOHDO20273819

EPA I.D. NUMBER

FACILITY NAME

FACILITY MAILING ADDRESS

FACILITY LOCATION

APPROVED

PLEASE HAZARDOUS WASTE SERVICE
RECEIVED
OHIO EPA
OCT 13 1982
OCT 12 1982
ENTERED BOARD'S JOURNAL

GENERAL INSTRUCTIONS

If a preprinted label has been provided, fill it in the designated space. Review the information carefully. If any of it is incorrect, cross through it and enter the correct data in the appropriate fill-in area below. Also, if any of the preprinted data is absent (the area to the left of the label space lists the information that should appear), please provide it in the proper fill-in area(s) below. If the label is complete and correct, you need not complete items I, III, V, and VI (except VI-B which must be completed regardless). Complete items I, III, V, and VI if no label has been provided. Refer to the instructions for detailed item descriptions and for the legal authorizations under which this data is collected.

II. POLLUTANT CHARACTERISTICS

INSTRUCTIONS: Carefully read through the instructions to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column. If the supplemental form is attached, if you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of bold-faced terms.

SPECIFIC QUESTIONS	MARK "X"			SPECIFIC QUESTIONS	MARK "X"		
	YES	NO	FORM ATTACHED		YES	NO	FORM ATTACHED
A. Is this facility a publicly owned treatment works which results in a discharge to waters of the U.S.? (FORM 2A)		X		B. Does or will this facility (either existing or proposed) include a concentrated animal feeding operation or aquatic animal production facility which results in a discharge to waters of the U.S.? (FORM 2B)		X	
C. Is this a facility which currently results in discharges to waters of the U.S. other than those described in A or B above? (FORM 2C)				D. Do you or will you (either existing or proposed) discharge any liquid effluent to waters of the U.S. other than those described in A or B above? (FORM 2D)		X	
E. Does or will this facility treat, store, or dispose of hazardous wastes? (FORM 3)				F. Do you or will you (either existing or proposed) discharge any liquid effluent to the lowermost stratum of the ground beneath the facility or to any underground source of drinking water? (FORM 3)		X	
G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)		X		H. Do you or will you inject at this facility fluids for special purposes such as leaching of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)		X	
I. Is this facility a proposed stationary source which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X		J. Is this facility a proposed stationary source which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X	

III. NAME OF FACILITY

1. SKIP OHIO LIQUID DISPOSAL (O.L.D.) - VICKERY

IV. FACILITY CONTACT

A. NAME & TITLE (last, first, & title)
2. SHAWL RONALD - MANAGER
B. PHONE (area code & no.)
419 547 779

V. FACILITY MAILING ADDRESS

A. STREET OR P.O. BOX
3. 3956 STATE ROUTE 412
B. CITY OR TOWN
4. VICKERY
C. STATE
OH
D. ZIP CODE
43464

VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER
956 STATE ROUTE 412
B. COUNTY NAME
SANDUSKY COUNTY
C. CITY OR TOWN
VICKERY
D. STATE
OH
E. ZIP CODE
43464